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The



CHEMIST AND DRUGGIST

for RETAILER - WHOLESALE - MANUFACTURER

Established 1859

28 Essex Street, Strand, London, W.C.2

Registered as a Newspaper

3511
L. CXLVII

JUNE 7, 1947

Annual Subscription (with
Diary) 30/- Single Copies 1/-.

Hirst's

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a new Parke-Davis product

'TAKA-BEXIN' CAPSULES

This combination of the important members of the vitamin B complex with vitamin C and the powerful starch-converting ferment, Taka-Diastase, is of value for middle-aged and elderly people who often need assistance in digesting starchy food and whose intake of vitamins is low. In convalescence also, when digestion and appetite are impaired and vitamin deficiency is present, 'Taka-Bexin' will prove useful.

Six 'Taka-Bexin' Capsules contain sufficient Taka-Diastase to liquefy the amount of starch in approximately $1\frac{1}{4}$ lb. of potatoes or $\frac{1}{2}$ lb. of bread.

**IN BOTTLES
OF 50 CAPSULES**

List Price 11/3 each

**M. R. P.
(including Pur. Tax)
12/6 each**

FORMULA

Each capsule contains :-

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Vitamin B ₂ (Riboflavin)	1 mgm
Vitamin B ₆ (Pyridoxine Hydrochloride)	0.5 mgm
Pantothenic Acid (as the Calcium Salt)	0.15 mgm
Nicotinamide	6 mgm
Vitamin C (Ascorbic Acid)	15 mgm

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Elasto

REGISTERED A PRODUCT OF BIO-CHEMICAL RESEARCH

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(Original letters have been seen by a representative of "The Chemist and Druggist")

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"As a sufferer of varicose veins, I must state that before using 'Elasto' I was tortured with tired and aching legs. After taking a month's supply of 'Elasto' I remark with emphasis that the feeling of tiredness and aching has vanished. To all sufferers of varicose veins I certainly recommend 'Elasto'—they are a boon."
AP 1180 —R. P.

mediate relief, and, although I was relieved of the pains and inconvenience, I have never ceased to take them regularly, as I have found them to act as a tonic as well, giving me energy that I previously lacked. I have recommended them to many others since."
AT 1108 —F. T.

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"I may say that I have found 'Elasto' a wonderful help. For years I suffered with rheumatism in feet and legs, and at times found it difficult to keep about. 'Elasto,' however afforded me im-

PLEASE NOTE

Special 20/- Pack
(Five bottles)

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see prices below

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RETAIL (Including Tax)

5/- per bottle (one month's supply)

20/- five bottles (including one free)

PATA

WHOLESALE (Including Tax)

36/- per dozen

168/- per dozen

The NEW ERA TREATMENT CO., LTD.
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*You know
 For some time now I
 have been unable to
 obtain Midgley's
 Medisoap No 19, and*

EXTRACT FROM LETTER FROM MISS E. H.

There is a steady demand for Medisoaps from regular customers.

Most of the popular formulæ are in good supply and, with exception of Nos. 46, 74 and 87, can be supplied free from rationing against a medical prescription.

A new brochure describing Midgley's Medisoaps is now available to pharmacists on request.

Sole Distributors

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Liverpool and London



Cheerful News from Bob Martin's !

LARGE CARTONS AND NEW DISPLAY MATERIAL

IN Summer, of course, sales of Bob Martin's Condition Powder Tablets and 'TIBS' are at their peak. And this Summer, at long last, we can let you have a really fine muster of display material. There are display outers, cut-outs, hanging cards and posters for Condition Powder Tablets; there are display outers, hanging cards and window bills for 'TIBS'; and every one of them is a superb piece of work.

Again, as you probably know, large

cartons are back again, both for Condition Powder Tablets and 'TIBS'.

Let us know what display material you want; but remember that supplies are naturally limited. Let us know how we can help you with your particular display and sales problems. Any support we can give you, we will.

We're doing our utmost to make this a record Bob Martin's Summer. Will you stock up and do your utmost too?

BOB MARTIN LTD., SOUTHPORT, LANCs.

PATA

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PLEASE NOTE

THESE PRICE INCREASES

We regret that we have been forced by rising production costs to increase prices of some of our preparations. The following revised prices are effective as from 1st June, 1947

	Trade Price	Purchase Tax	Retail Price inc. Tax
NEURO PHOSPHATES 8-oz.	38/7 per doz.	6/5 per doz.	4/10 each
CALSIOD TABLETS 30's	40/9 per doz.	6/9½ per doz.	5/1 each
DENZEDRINE INHALERS	20/- per doz.	3/4 per doz.	2/6 each
DENZEDRINE TABLETS 50's	35/- per doz.	5/10 per doz.	4/4½ each
ODEX 1-oz. jars	18/9 per doz.	3/1½ per doz.	2/6 each
DEXEDRINE TABLETS 24's	38/- per doz.	6/4 per doz.	4/9 each

* Dexedrine Tablets are now obtainable for the first time in this country.

MENLEY & JAMES LIMITED
123 Coldharbour Lane, London, S.E.5

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Trade Mark

the Rational Tonic

- 1 Its description as the 'Rational Tonic' is fully justified by its constituents.
- 2 There is abundant evidence of its value in convalescence and cases of reduced vitality and lowered resistance.
- 3 There exists a widespread need for a tonic with the particular characteristics of Livogen.

*You can recommend Livogen with full confidence
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	TRADE (Excl. Tax)	RETAIL (Incl. Tax)
4 fl. oz.	3/4	5/7
16 fl. oz.	11/4	18/11
80 fl. oz. (For dispensing)	53/4	88/11

THE BRITISH DRUG HOUSES LTD. LONDON N.1

Lgn/T/4

Yet another 'Ucal'
product now available
in limited supplies.



DOPo-PLUS
D.D.T. / GEIGY

KILLS FLIES, FLEAS, BUGS, ETC.

DIRECTIONS
To destroy quickly Flies, Fleas, Bugs,
Beetles, Moths, Cockroaches, Ants,
Crickets, Wasps, and similar Pests,
simply sprinkle freely in the infected places.

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A little Powder sprinkled on the
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has proved the value



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for Diaper Rash

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SOAP**



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AYRTONS for PENICILLIN CREAM B.P.

No. 1 MAKING SET (The Original) ANHYDROUS comprises 6 pots Sterile base (Anhydrous) ; 100 c.c Chlorocresol Solution (0.2%) in sterile water.

The contents of the smallest package of Penicillin Sodium or Calcium Salts (100,000 units) is dissolved in the Chlorocresol Solution, slightly warmed (not exceeding 60° C.) One-sixth part of this is introduced to each of the six pots of sterile anhydrous base at same temperature. Each pot must be opened and closed momentarily for the process, shaken vigorously and cooled rapidly. The Penicillin Cream B.P. must be used within seven days.

Per set (to make 6 pots) ... 6/- Penicillin (100,000 units) ... 1/4

No. 2 MAKING SET. HYDROUS comprises 4 jars 23 grammes hydrous base, 4 ampoules 2 c.c. Chlorocresol Solution 0.1% and one tube of 4 tablets each 12500 units Penicillin (Calcium Salts).

One tablet is dissolved in one ampoule and mixed thoroughly into one jar of base.

Per set (to make 4 pots) 8/-

No. 3 DAILY POSTAL SERVICE. Penicillin Cream B.P. freshly made and posted immediately. Per ounce, post paid 2/-

PENICILLIN SOLUTION TABLETS. Each tablet 12500 units (Calcium Salts).

Tubes of Eight each 2/7

PENICILLIN OINTMENT B.P. 1 oz. jars...per doz. 16/- 2 oz. jars... per doz. 30/-

PENICILLIN EYE OINTMENT. 1 drachm tubes per doz. 10/-

PENICILLIN LOZENGES B.P. 20's per doz. 12/-

AYRTON SAUNDERS & CO. LTD. LIVERPOOL

AN ADVANCEMENT IN DERMATOLOGICAL THERAPY

SOME MEDICAL TESTIMONIALS

"Keroderm gave immediate relief."

"The trouble completely disappeared in a month."

"Outstandingly good results."

"I am carrying out treatment in a most persistent case of Varicose Ulcer which is responding well after 12 months with no improvement."

The success of Keroderm in the treatment of Dermatitis and other skin affections continues as more and more trials are made by doctors in cases of extreme persistence.

Keroderm incorporates a new chemical compound; bismuth oxyquinolate; flounder oil (Vitamins A and D), isolinoleic acid, splenic extracts and orchitic extracts, together with a specially devised excipient.

KERODERM
BRAND OINTMENT

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SCIENTIFIC PHARMACALS LTD
INNOXA HOUSE, BALLS POND ROAD, LONDON, N.1

Here's the SPARKLING SALINE



with the very
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FLAVOUR

The saline that sells on its sparkling effervescence and refreshing flavour—a delicious and reliable corrective for feverishness, biliousness, and sick headaches.

Gentle in action, 'Limestone'

Phosphate cleanses the system of impurities—a real hot weather refresher. Are you displaying our attractive showcard and shelf strip? Supplies available on application.

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**TRADE
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18/- per dozen
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doz. Retail at
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Profit 6/- per doz.

SPARKLING Harrogate Health Salts



**THE
HEALTH
SALT—
PLUS!**

17/- per doz.

(Purchase tax 2/10)
Retail selling price
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32/- per doz.

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Supplies are restricted but orders are dealt with in rotation. You are invited to apply for a quota to the

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Manufactured by

The Harrogate Tablet Co. Ltd., Harrogate

Betalax

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**CHOCOLATE
LAXATIVE**

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are now available again... all who purchased previously are automatically granted a quota. Will you please write and take it up?

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Retail 6d. inc. tax.

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— SO WILL YOU



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**TABLETS
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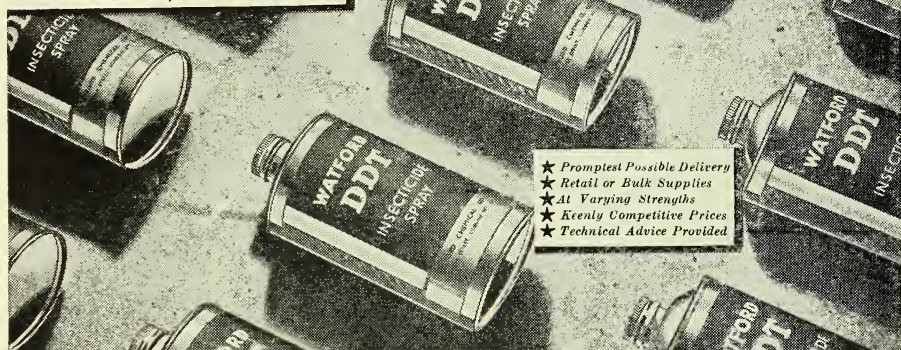
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The VITAMIN MALT FOOD

Sole Manufacturers

With Vitamins

(A. 6,500 I.U., D. 400 I.U.)
per fl. oz.

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PARAGON RAZOR BLADES



No. 4. ACORN



No. 2. SINGLE EDGE



No. 3. STROPPING

SOLE MANUFACTURERS—

THE PARAGON RAZOR CO.
NURSERY WORKS, ELDON STREET, SHEFFIELD, 1

Something out of the Ordinary!



4 oz. bottle 2/6 inc. tax.
Subject to 33½ discount.

This recent development in calamine therapy incorporates the unsaturated fatty acids as contained in ESōBAN OINTMENT and has many advantages over ordinary calamine preparations.

- ★ It gives prompt relief from irritation and is soothing to the most delicate skin.
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ESōBAN
Cream OF CALAMINE



Showcards available on request

Supplied through all C.F. Wholesalers

PATA

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SOUTHON LABORATORIES, LTD., LONDON, S.W.15.

THE RELIABLE
Edosan
SANITARY TOWELS
PURE COTTONWOOL THROUGHOUT

DOSAN LTD. 189, CARLTON VALE, LONDON NW6.

SHADEINE
FOR GREY HAIR

FIFTY YEARS'
REPUTATION

All shades. Two sizes only at present. Retail prices 2/6d. & 4/10 (including purchase tax).



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WHOLESALE

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Rising costs have necessitated an increase in the prices of Yestamin Vitamin Yeast, but it still remains the finest value obtainable.

Yestamin

VITAMIN YEAST

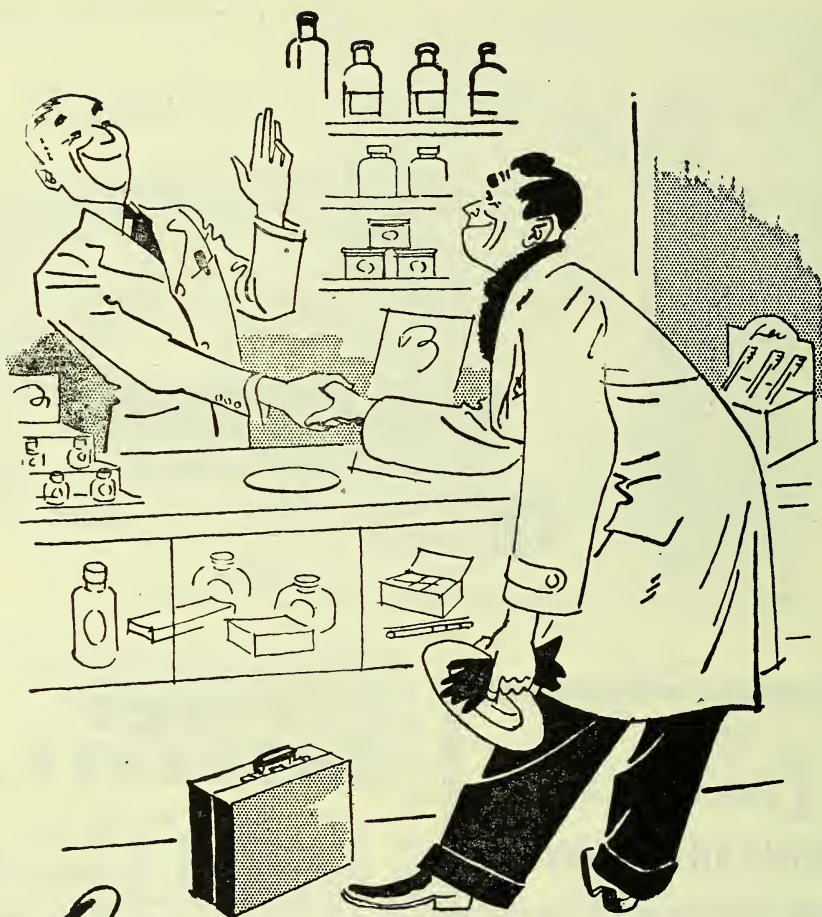
Vitamin B1 2.10 mgms. per oz.
Riboflavin(B2) 1.45 mgms. per oz.
Niacin 9.50 mgms. per oz.

NEW PRICES

In Bottles	Retail	Trade
100 TABLETS	1/6	12/3 PER DOZ.
300 TABLETS	4/-	33/- PER DOZ.

Less 5% Cash in 14 days

THE ENGLISH GRAINS Co. Ltd., Burton-on-Trent



Our representatives tell us...

that you appreciate the prompt way we deal with your postal and telephone enquiries.

We have always realised the importance of this service, and orders are dealt with by return

post. If you should ask for something that we can't at the moment supply, we let you know at once.

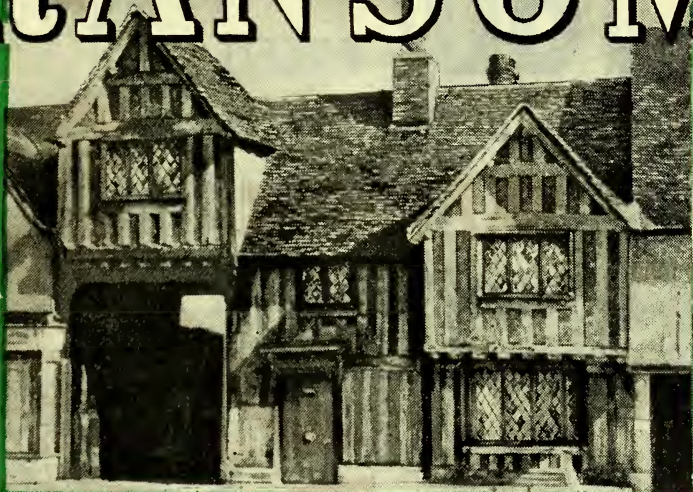
'Oxoid' indicates not only high quality but also rapid service.

OXO LIMITED (Medical Dept.)

OXOID PREPARATIONS • LIVEROID • CONCENTRATED OXO

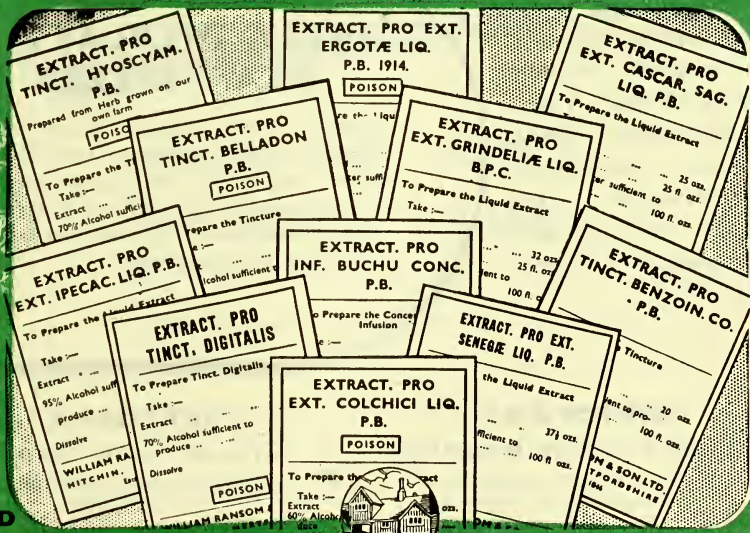
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14th Century Gate-house to Ransom's Factory

Drug growing for over 100 years



ABLISHED

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*Growers of medicinal plants for over a century
Hitchin, Hertfordshire, England*

OVER **60%** PROFIT
ON OUTLAY
WITH **'SKETOFAF'**
NEW BONUS ★



● This really worthwhile bonus will net you a total profit of over 60% on outlay for every 'Sketofax' sale! Our representatives will give you the details next time they call on you. Vigorous advertising is going to create a big demand for 'Sketofax' this summer. So order early and prepare for brisk trade.

LIVELY DISPLAYS MEAN LIVELY SALES

'Sketofax' insect repellent comes to you neatly packed in these compact, eye-catching display outers. Simply open out, place on your counter and lively sales will follow. There is also an arresting 3-colour showcard to link up your window display with 'Sketofax' advertising.

'SKETOFAF' BRAND

Liquid Insect Repellent

Display outers containing:—
72 capsules in packs of 6

1/4 PLUS 2d. PURCHASE TAX



'SKETOFAF' BRAND

Cream Insect Repellent

Display outers containing:—
12 tubes

1/4 PLUS 2d. PURCHASE TAX



BURROUGHS WELLCOME & CO. (The Wellcome Foundation Ltd.) 183 Euston Road, London, N.W.1

Your customers are being told —

**BABY MUSTN'T BE
KEPT WAITING !**

Young babies hold priority, for Ribena Blackcurrant Syrup—they need its valuable vitamin C.

The bottle shortage makes the supply position extremely difficult, and delay in returning "empties" might mean that some babies will be kept waiting. Will you please remember this—for the sake of your own and every other baby.

Ribena
BLACKCURRANT SYRUP

H. W. CARTER & CO. LTD., THE OLD REFINERY, BRISTOL. 2



**— but it only needs a
little bird to whisper**

to you that to help keep up supplies, empties should be returned as quickly as possible instead of being kept until you have a lot. Transport is still difficult. And, of course—you will remember to send them by the same route and channel as that by which full supplies were received.



This is "Sparkie," who will appear in the SPA Film to be released in nearly 600 cinemas.

It has everything — quality, fine finish, and attractive appearance. Costs very little more—but gives much more in extra wear. A P.A.T.A. line—nationally advertised in press and films.

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FLOWER
FRAGRANCE**



Give your Beauty and Toilet preparations that 'essential' touch of Quality. Add Preemo Perfume Essences—they are used by almost every Manufacturer and Chemist of repute. Preemo Perfume Essences impart the natural fragrance of the fresh-picked flower, thus making your preparations delightfully attractive. You will find Preemo Essences easy to use, economical, and pure. Thus Preemo has won fame as—

THE 'ESSENCE' OF A GOOD PERFUME

Preemo liquid colours



For Lotions, Frictions, Shampoos, Bath Salts, Oils, Creams, Pomades, Powders and Perfumes.

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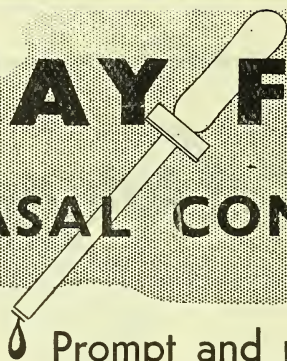
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NEWS OF THE WEEK

Oil from Herrings.—In view of the continued shortage of oils and fats, the Government is making arrangements to process surplus herrings into oil and meal.

Withdrawal of D.D. Authorities.—The Home Secretary has withdrawn from Ralph Martin Case, M.B., Ch.B., 71 Gillott Road, Edgbaston, Birmingham, the authorities granted to him under the Regulations made under the Dangerous Drugs Acts.

Tax on Powdered Henna.—The Commissioners of Customs and Excise have issued an amendment to Purchase Tax Notice No. 78, making natural or synthetic powdered henna chargeable with purchase tax at the rate of 100 per cent. of the wholesale value under Class 18.

Chemists-Opticians' Film Show.—A show of medical and scientific films given in London on May 28 by the Institute of Chemists-Opticians attracted an audience of well over 100 members and friends. The programme included "Gas-air Analgesia in Midwifery," a film produced by the British Oxygen Co., Ltd., to demonstrate the self-administration of nitrous oxide in

childbirth. "The Story of DDT," produced for the Army Kinematograph Service, described the history of DDT from the first discovery of its insecticidal properties to its use in many theatres of war. Other films dealt with neuro-psychiatry and venereal disease, while light relief was provided by a Ministry of Health cartoon.

Trade with Japan.—Under the provisions of three new Orders (S.R. & O., 1947, Nos. 1031, 1032 and 1033) trade is now permitted with the Japanese State and with private traders carrying on business in Japan. Board of Trade and Custodian control is also removed from any money or property arising from the authorisation. Japanese money, etc., in the United Kingdom continues under control. It is understood that the policy of the military authorities in Japan of not allowing the admission of businessmen remains in force. Travel to Japan will, however, be permitted when economic, food and housing conditions improve, and the Board of Trade Export Promotion Department is compiling a list of business men wishing to visit Japan as soon as the opportunity arises.

Insecticide Manufacturers.—At the recent annual meeting of the Association of British Insecticide Manufacturers, 166 Piccadilly, London, W.1, the following officers were elected for the ensuing year: *Chairman*, Mr. H. J. Jones (Hemingway & Co., Ltd.); *Vice-chairman*, Dr. J. R. Boorer (F. W. Berk & Co., Ltd.); *Treasurer*, Mr. R. V. Craven (W. J. Craven & Co., Ltd.); *Auditor*, Mr. A. G. Ponton (Pan Britannica Industries, Ltd.); *Executive committee*, Mr. E. T. Buggé (Buggés Insecticides, Ltd.), Mr. R. V. Craven (W. J. Craven & Co., Ltd.), Dr. E. Holmes (Plant Protection, Ltd.), Mr. J. S. Mitchell (Murphy Chemical Co., Ltd.), Dr. J. H. Reid (British Nicotine Co., Ltd.) and Mr. T. A. Robertson (Plant Protection, Ltd.).

Shop Closing Hours.—Disappointment at the Gowers Committee's recommendation of a 7 p.m. closing hour for shops (see *C. & D.*, May 3, p. 479) is expressed in a statement issued recently by the board of management of the Early Closing Association. The statement points out that the Gowers Committee was set up at the instigation of the Association, following an appeal to the Government nearly four years ago to stabilise, by amending the Shops Acts, the earlier closing hours then being voluntarily observed. Giving evidence before the committee, the Association urged that the latest closing hour should be 6 p.m. with 7 p.m. on one late night. Since the publication of the Gowers Committee's report, the Association has protested to the Home Secretary against the proposed 7 p.m. closing hour, and is organising a campaign for the adoption of the earlier hour.

Changes in Export Licensing Control.—Changes in export licensing control are made in a new Board of Trade Order which comes into operation on June 9. The following items (in Group 13) can in future be exported without licence. Cinchonidine and its salts and preparations; ergot; maltose; mepacrine and its salts; monoethanolamine and its salts; pamaquin; peptones; silver compounds; sorbitol; extracts of cascara sagrada; preparations of cinchona; preparations of cinchonine and its salts; preparations of colchicum; preparations of ipecacuanha other than extracts; preparations of quinine and of quinine salts; preparations of quinine and of quinine salts. Other items freed from control include vegetable adhesives (Group 2) and sulphur and mixtures containing sulphur (Group 5). Additions to the schedule of goods requiring export licences (Group

13) include: Amidopyrine; arecoline and its salts; calcium borogluconate; carbromal; folic acid and its salts and preparations thereof; papaverine and its salts; phenazone; thyroïd; totaquine.

Cold Wave Preparations.—The Board of Trade announces that it is prepared to license more freely the production of cold wave preparations. Registered manufacturers of toilet preparations may apply for licences to cover the production of cold wave preparations in addition to the amount of toilet preparations which they are now permitted to make under their home trade licences. New manufacturers will also be considered for licences if they submit full particulars of the type of cold wave preparation which they intend to make. Although the concession allows unlimited supplies by licensed manufacturers for the home market, the Board hopes that they will devote voluntarily to the export market as large a proportion of their production as possible. No additional supplies of raw materials, containers or paper and board for packaging will be made available for cold wave preparations intended for the home market. Applications for licences should be made to the Assistant Secretary, Board of Trade, I & M., 2B Division, Neville House, Page Street, London, S.W.1.

Artificial Limb Design.—Progress made in the design of artificial limbs following researches by the Ministry of Pensions is reviewed in a recently published report of the Standing Advisory Committee on Artificial Limbs. The Committee received and examined 103 suggestions; of that total, thirty-nine were considered worthy of research. The Committee recommends that, for women, corset-suspended artificial legs should be made available, as the method gives a more comfortable fit and an improved appearance. Experimental work is being extended on corset suspension for men's limbs. Experiments are also proceeding on methods of moulding and seating sockets of artificial limbs, and on "suction socket" suspension for above-knee limbs. Trials with a mechanical hand proved disappointing, but one design remains to be tried out. Contact is being maintained with prosthetic authorities in the United States, Canada, and other countries, including Germany. Copies of the report, "The First Report of the Standing Advisory Committee on Artificial Limbs," are obtainable from H.M. Stationery Office, price threepence each.

LOCAL NEWS

Outing to Southend.—The works, office and executive staffs of Tampax, Ltd., London, S.W.1, went on an outing to Southend on May 31.

Inter-Branch Cricket.—In the second match for the Alderwick cricket trophy, Bournemouth beat Portsmouth by 131 runs. The scores were: Bournemouth, 153; Portsmouth, 22.

Tenancy Grant Inquiry.—Manchester city council has appointed a special sub-committee to investigate the circumstances in which the tenancy of a temporary chemist's shop in Victoria Avenue East, Blackley, was granted to the Blackley Co-operative Society, Ltd.

S.W. London Officers.—At a meeting of the council of the South-west London Chemists' Association on May 16 the following officers were elected for 1947-48:—*President*, Mr. F. S. Copley; *Vice-presidents*, Mr. C. Kemplay and Mrs. K. Collins; *Treasurer*, Mr. C. Kemplay; *Joint General Secretaries*, Mrs. K. Collins, 357 Battersea Park Road, London, S.W.11, and Mr. H. Edgecombe, 77 Atlantic Road, London, S.W.9; *Social Secretary*, Mr. C. Murgatroyd, 3 Shelgate Road, London, S.W.11.

Leeds N.P.U. Officers.—At the annual meeting of the Leeds Branch of the National Pharmaceutical Union on May 20, the following officers were elected:—*Chairman*, Mr. L. Carr; *Vice-chairman*, Messrs. F. A. A. Jones and E. S. Mitchell; *Treasurer*, Mr. F. J. Carr; *Secretary*, Mr. F. Mitchell, 94 Waterloo Road, Hunslet, Leeds, 10; *Committee*, Miss F. Cousin, Messrs. I. Beaumont, M. Jackson, S. Kaye, L. W. Rycroft, J. Schofield, with the following *ex officio*: Messrs. T. Heseltine, N. N. Armitage, E. Buckley, F. Kemp, Arthur Lucas Peters and Thomas Shooter.

Blackpool Officers.—The following officers of the Blackpool Branch of the Pharmaceutical Society have been appointed for 1947-48: *President*, Mr. P. Varley; *Secretary*, Mr. Alfred Greenwood, 255 Talbot Road, Blackpool; *Treasurer*, Mr. F. W. Ludlam.

Aylesbury Lecture.—A meeting of the Harrow Branch of the Pharmaceutical Society, held at Aylesbury, some thirty miles from the Branch's usual meeting place, on May 21, was attended by more than fifty members, although only sixteen were residents of Aylesbury. Professor H. Berry (Dean of the Society's College) discussed the United States Pharmacopœia, comparing it with recent developments in Great Britain. A vote of thanks to the speaker was proposed by Mr. F. H. Quadling and seconded by Miss G. May. Messrs. F. J. Janes and W. Rouse, Aylesbury, thanked the officers of the Branch for having organised a meeting for members in outlying areas.

London Chemists' Golf.—The London Chemists' Golfing Society held its first meeting of the season at Finchley on May 28, with a medal competition for the Leichner cup and a bogey competition for the Hepburn shield. The leading scores in the medal competition were:—Mr. G. H. Hankinson, 77; Mr. R. R. Gordon, 78; Mr. R. Poole, 79; and Mr. T. W. D. Turner, 81 (see p. 650); leading scores in the bogey competition were Mr. R. R. Gordon, 3 down; Mr. T. M. Hunnings, 5 down; Mr. G. H. Hankinson, 5 down and Mr. R. Poole, 5 down. Mr. James Deas (15) holed out in one at the third (136 yards). The Society's next meeting will be held at Hendon on June 19. Further information about the Society's activities may be obtained from Mr. W. M. Ballantyne (secretary), 47 Gray's Inn Road, London, W.C.1.

Durham Annual Meeting.—At the annual meeting of the Durham County Branch of the Pharmaceutical Society held on May 27, the following officers were elected for the year:—*President*, Mr. W. Hindson; *Vice-president*, Mr. C. L. Robertshaw; *Treasurer*, Mr. F. T. Richardson;



Mr. C. R. G. Young (Ashle Laboratories, Ltd.), addressing representatives of the company at a luncheon held in London recently.

Secretary, Mr. J. A. Nichols, *Committee*, Miss A. Bullock, and Messrs. G. Agard, R. Gibson, T. Melrose, W. Low, and L. Wood; *Auditors*, Messrs. E. Richardson and T. C. Dobbin. The president, the secretary and Mr. W. Low were appointed to attend the Branch Representatives meeting in September and it was decided that copies of the following resolutions should be forwarded for inclusion in the agenda: (1) That the Durham County Branch is of the opinion that it is entirely in the interest of the student, and the profession as a whole, that a minimum of two years' apprenticeship is essential before the commencement of final academic training; (2) That the Durham County Branch deplors the adoption of the new education policy without first having had it studied and discussed in the local Branches. It was decided that in future meetings of the Branch should be held on the first Thursday of the month at 7.30 p.m.

New Factory for Glasgow.—A new industry was introduced to the Clyde recently with the opening by C. J. Hewlett & Son, Ltd., London, E.C.2, of a factory for the



The new factory at Bridgeton, Glasgow, of C. J. Hewlett & Son, Ltd.

manufacture of pharmaceutical specialities at Bridgeton, Glasgow. The ceremony was performed by Mr. Vivian C. Hewlett, Ph.C. (chairman of the company) and Mr. Charles J. Hewlett (managing director) using a silver key presented by Mr. Harvey Norton (Scottish manager) on behalf of the staff. A number of distinguished representatives of the medical, veterinary and pharmaceutical professions were present. They were taken on a tour of the new factory.

Slough Annual Meeting.—At the annual meeting of the Slough Branch of the Pharmaceutical Society and Chemists' Association recently the following officers were elected to serve both bodies:—*Chairman*, Mr. H. F. Breakspear, Maidenhead; *Vice-chairman*, Mr. S. Morgan, Slough;

Treasurer, Mr. R. H. Quin, Datchet; *Secretary*, Miss M. J. Hincks, The Dispensary, Slough Emergency Hospital, Slough; *Committee*, Messrs. N. Hart, G. C. Osborn, A. J. Campbell, E. Kelly, A. R. Barton and H. E. Burrows. Tributes were paid to Mr. H. P. Elliott (retiring chairman) for the energetic part he had played in helping to form the branch. The secretary, reviewing the year's activities, said at least one meeting had been held each month, and subjects dealt with had included penicillin, vitamins, the history of pharmacy, recent advances in therapeutics and hæmatology. The programme had also included a discussion on trade unions in pharmacy, a Christmas party, and a dinner and dance. The treasurer's report indicated a slight increase in the balance carried forward. After the routine business had been concluded, a talk on current pharmaceutical topics given by Mr. H. Noble (deputy secretary, National Pharmaceutical Union) gave rise to a vigorous discussion.

OVERSEAS NEWS

Conference at Basle.—Medical officers from the armies of more than thirty countries are attending the eleventh International Congress for Military Medicine and Pharmacy which opened at Basle, Switzerland, on June 2. Great Britain is represented by Lieutenant-General Sir Alexander Hood (Director-General, Army Medical Services), Brigadier D. Fettes and Lieutenant-Colonel C. P. Stevens.

Poona Chemical Laboratory.—The foundation stone of the Indian National Chemical Laboratory was laid at Poona recently by Mr. B. G. Kher (premier of Bombay). The laboratory, the fifth in a series of research institutes planned by the Indian Council of Scientific and Industrial Research, is intended to assist in the utilisation of India's raw materials, and to serve as a link between the State, the universities and the chemical industry.

Indian Drug Rules.—As a preliminary step towards the enforcement of the Drugs Rules, 1945, issued by the Central Government of India under the Drugs Act (India), 1940 (see *C. & D.*, 1946.II.343) the Biochemical Standardisation Laboratory, 10 Chittararajan Avenue, Calcutta, has been constituted as the Central Drugs Laboratory under the Drugs Act. Its functions include the testing and analysis of samples sent by Customs collectors and courts of law, and the granting of certificates of registration for proprietary medicines.

TOPICAL REFLECTIONS

Retrospect and Prospect

On three pages of your issue of last week there are paragraphs which remind us of problems, soon to be fully explored, in connection with our National Health Service. From the United States comes the news (p. 611) that Congress is urged by the President to give immediate attention to the enactment of a national health and disability insurance scheme. As reported, the plan suggested reproduces, with some variation, the features of the existing British National Health Insurance system; and it may be presumed that this plan has been drawn up after a study of numerous publications, including the British Medical Association pamphlet of April 1938, entitled "A General Medical Service for the Nation." The statistics on pp. 620 and 621 of the same issue, once we have taken for granted their inevitable dryness, indicate the nature of the problem which the negotiators on behalf of pharmacy will have to master in detail. Those of your readers who have a copy of your issue of September 18, 1915, will realise the complexity of this kind of problem if they glance through the report of a Departmental Committee on the Insurance Act drug tariff then in force. That report occupies ten quarto pages, and includes a summary of results obtained by a well-known firm of accountants from the examination of statistics of chemists' businesses. It is to be remarked that you describe your reprint as consisting only of "the main part of Vol. I" and of "appropriate mention of the Appendices," Vol. II of the Committee's report not being then available. Evidently paper was not scarce in September 1915.

A Statistical Approach

But let us choose as a basis for comparison a period nearer to the present. I have just been through your abstracts of the Ministry of Health reports for the ten years 1929 (ended March 31, 1930) to 1938 (ended March 31, 1939). In the first of these years prescriptions numbered 56,199,256 and panel chemists' accounts amounted to £1,922,800; in the last year the respective figures were 65,416,000 and £2,308,900. (It does not follow that those accounts were all paid in full, but that is another story.) Without working out exact averages for the years mentioned, anyone looking at the figures before me can see that they are about 60 million prescriptions and

£2 million respectively. Your summary of the Ministry of Health report for 1945 (the latest report available) shows that prescriptions for the year numbered 63,217,381 at a nominal cost of £3,535,204. In each of the last two years before the second world war prescriptions amounted to more than 65,000,000; the higher monetary value of the 1945 dispensing reflects the general increases in cost of ingredients and overhead expenses. Putting these facts together, we can form some idea of the arduous task which the negotiators on behalf of pharmacy have, no doubt, already begun to tackle. These recent figures give little idea, however, of the personal effort required of those who, reduced temporarily in numbers because of war-time conditions, were responsible for handling this formidable volume of dispensing.

Initials

Two sets of initials on p. 620, one serious and the other satirical, bring before us once more the old annoyance of a superfluity of these symbols. Some of us have such queries as "What's a B.C.L.?" flung at us across the breakfast table, to be answered either from memory or with the aid of "Whitaker" or some other handbook. An old "Who's Who" on my bookshelves has six and a half pages allotted to the elucidation of a selection of letters of the alphabet, and I can well believe that in the current edition of that publication the selection is longer. In your issue of July 5, 1924, you classified numerous initials and a few abbreviations likely to be used or consulted by your readers into (1) Academic; (2) Commercial; (3) Scientific and General. Lists drawn up like these are of value; for the fact is that however great a nuisance initials and abbreviations may prove to be on occasion, we cannot dispense with them entirely. Some are so firmly established in the routine of running a business, wholesale or retail, that we should miss them if they disappeared; examples are O.O.O. and Z.Z. A few—*v.*, for instance—have more than one meaning, and must be interpreted according to their context. The comic possibilities of arbitrary arrangement of initials are vast, and will probably be exploited as long as civilisation endures. I need only refer in illustration to the "fragment of an inscription" in Chapter XI of "The Posthumous Papers of the Pickwick Club."

Xrayser

JUDGMENT AGAINST PLAINTIFF

At the county court, Plymouth, recently, James Philips Trestrail, M.P.S., 9 Whitfield Terrace, Plymouth, claimed £107 6s. 9d. from Reginald Stanley Gollop, M.P.S., 7 Portland Villas, Plymouth. For the plaintiff it was said that he was in business in Flora Street, Plymouth, until 1941, when the premises were destroyed by enemy action. He reopened the business at 140 King Street, Plymouth, which was not far away, but soon afterwards had a nervous breakdown and let the business Mr. Gollop for three years. The agreement laid down that, when plaintiff returned to the business, he should be compensated for any stock deficiency and should have the option of retaining or refusing any surplus. Trestrail alleged that there was a stock deficiency to the value stated. He claimed that defendant had changed the nature of the business from that of a dispenser to that of a retailer of patent medicines and toilet goods, so that when possession was resumed he found it difficult to restore the business to its former style. The judge pointed out that there was nothing in the agreement to prevent Mr. Gollop doing that, and a further claim made by plaintiff on that ground was therefore abandoned.

Abandoned Claim

Plaintiff also complained that Gollop's name was printed on labels on the bottles sold in the shop while he was only a tenant, and that Gollop had utilised for his own benefit practically all the existing quotas and controlled goods, putting the business in "a parlous condition." This claim also was abandoned after the judge's comment. Counsel for defendant said that, at the stocktaking, when Trestrail returned to the business in 1945, it was agreed that there was £50 more stock than in 1942; there was no deficiency. Examined by his counsel, Mr. Gollop said that, when the stock was taken in November 1942, on the business being let to him, there was a total stock of £513 9s. 10d. In December 1945 there was an agreed total of £582 stock, making a surplus of £50 when certain adjustments were made. He (Gollop) said he would forego that amount in view of the satisfactory nature of the transaction, and they had a drink together when that agreement was reached. Witness alleged that the cause of the trouble was the fact that he had set up in business near Trestrail at 45 King Street. The first letter leading up to the action was received by him eleven months after the stocktaking. In cross-examination

defendant said he left the whole of the drug and chemical stock in Trestrail's shop, and had no drugs or chemicals from Trestrail in his own shop. Mr. Cyril Condy U'ren (secretary of the Plymouth Pharmaceutical Committee) gave evidence that he inspected Gollop's stock in December 1945 because he had not sufficient drugs to dispense. The case had been adjourned when discrepancies were found in stock sheets alleged to show there was £107 6s. 9d. less stock in Trestrail's shop after Gollop had rented it for three years. After ten minutes' examination the figures were retotalled, when it was found that there was in fact a surplus of £51 15s. 6d. Judgment was given for defendant, with costs.

LEGAL REPORTS

Combs at Excessive Price.—At Leeds, on May 6, Russell (Sheffield), Ltd., trading as Miles & Mountford, Albion Street, Leeds, were fined £10, with £5 5s. costs, for selling a comb at above the maximum price. A fine of £10 was also imposed for not displaying the maximum prices of combs.

Pharmacist Assaulted.—At Nuneaton police court a fine of £5, with £1 1s. advocate's fee, was imposed on Able Seaman Thomas Stokes, on a charge of assaulting Mr. R. C. Moreton, M.P.S., Bond Gate, Nuneaton, on May 1. It was stated that Mr. Moreton, who lives above his shop, went to investigate a disturbance caused by some sailors in his shop doorway. There was an argument, during the course of which Mr. Moreton was knocked down, and as he was on the ground he was kicked on the back of the head by Stokes and, as a result, was knocked unconscious.

Eire Fine for Practising as Dentist.—Summoned by the (Eire) Dental Board on four counts of practising dentistry or dental surgery and for representing or holding himself out as practising the same at Gort, co. Galway, although not a registered dentist, Edward Francis Gilmartin, described as a chemist [his name does not appear in the 1947 Register of the Pharmaceutical Society of Ireland], The Medical Hall, Gort, was convicted on all four counts and fined a total of £30, with £60 costs. For the Dental Board it was stated that defendant was not on the dental register and not entitled to be on it. He had been practising as a dentist at intervals since 1929, been fitting dentures and employing a dental mechanic in Dublin.

COMPANY NEWS

MORRIS & EVANS (CHEMISTS), LTD. (P.C.).—Capital £1,000. David J. L. Morris and William H. Evans, directors. R.O.: 14 Vaughan Street, Llanelli.

TREHARNE & DAVIES, LTD. (P.C.).—Capital £10,000. To carry on the business of analytical and consulting chemists, etc. First directors are to be appointed. Solicitors: Llewellyn & Hann, Cardiff.

MILLAR (CHEMISTS), LTD. (P.C.).—Capital £3,000. Reginald Edwards, M.P.S., Christina Edwards and John Millar, M.P.S., directors. R.O.: 284 Great North Road, Woodlands, Doncaster.

KEM LABORATORIES, LTD. (P.C.).—Capital £2,000. To carry on the business of chemists, druggists, etc. Clarence Wilkinson and Aubrey Scott, directors. R.O.: 60 Nelson Street, Bradford.

HARRIS (SEVEN SISTERS), LTD. (P.C.).—Capital £1,500. To carry on the business of pharmaceutical and general chemists, etc. Beriah Lewis, Anne Lewis and Emlyn P. Jones, M.P.S., directors. R.O.: Ynyslas, Seven Sisters, Glam.

SULFA CHEMICAL INDUSTRIES, LTD. (P.C.).—Capital £1,000. To carry on the business of manufacturers of and dealers in chemicals, chemical products, etc. First directors are to be appointed. R.O.: 15 Whitehall, London, S.W.1.

BORALINE, LTD. (P.C.).—Capital £1,000. To carry on the business of chemists and druggists, etc. Percy Beevers, George W. Sharp, Herbert V. Sheard, Ph.C., Mrs. A. M. Wharram, Geoffrey W. Wharram and John L. Wilson, directors. R.O.: 26 Park Row, Leeds, 1.

ALLEN SURGICAL HYGIENIC CO., LTD. (P.C.).—Capital £1,000. To carry on the business of manufacturing, wholesale and retail chemists and druggists, etc. William Allen and Mrs. Marie Kuttner, directors. R.O.: Dene Hole, The Green, Barrowfield, Lough, 4.

HALSTEAD, WOODWARD & CO., LTD. (P.C.).—Capital £5,000. To carry on the business of manufacturing and wholesale chemists, etc. Geoffrey W. Halstead, M.P.S., Sam Woodward and Cedric H. B. Bassett, directors. R.O.: 81 Castle Street, Hincley, Leics.

WORTH PERFUMES, LTD. (P.C.).—Capital £10,000. To carry on the business of manufacturers and distillers of and dealers in perfumes, essences, cosmetics, etc., manufacturing and wholesale chemists. Ernest G. A. Perrot and George C. Slocombe, directors. R.O.: 62 Grosvenor Street, London, W.1.

P.A.C. (PHOTOGRAPHICS) CO., LTD. (P.C.).—Capital £20,000. To acquire the photographic materials and chemicals department formerly carried on by P.A.C.

(Chemicals), Ltd. Frank Connell, John Holden, Kurt I. Jacobsohn and George N. White, directors. R.O.: Rowsley Works, Reddish, nr. Stockport.

A. R. CROSS (NORTH LONDON), LTD. (P.C.).—Capital £25,000. To acquire the business of chemists, druggists, opticians and photographic dealers carried on at Enfield, Tottenham, Mill Hill and High Holborn. A. R. Cross, M.P.S., and D. G. Cross, directors. R.O.: 476 Hertford Road, Enfield.

J. F. COLLIN, LTD.—To the list of directors of this company, details of the registration of which were published in last week's issue (p. 612), should be added the name of Mr. Gordon Baskerville, M.P.S.

GRIFFITHS HUGHES PROPRIETARIES, LTD.—Mr. Osman Peter Marland, M.A., has been appointed a director of the company and also a joint managing director of E. Griffiths Hughes, Ltd., Manchester.

GERARD BROTHERS, LTD.—Mr. F. H. Gerard, chairman of the company, has vacated this position in favour of Mr. H. Simpson. Messrs. J. H. Gill and J. D. Gerard have been appointed joint managing directors in place of Mr. Simpson.

BOOTS PURE DRUG CO., LTD.—Net profit for the year ended March 31, after provision for taxation, amounted to £756,470, as against £619,459 in the previous year. A final ordinary dividend of 20 per cent. is recommended, making a total of 40 per cent., compared with 35 per cent. in 1945-46. Aggregate net profits of the group amounted to £1,063,830, after providing for tax, as against £826,241 in the previous year.

UNITED CHEMISTS' ASSOCIATION, LTD.—Directors' report, for the year ended March 31, records a disposable balance of £20,706 as against £15,345 in the previous year. The following dividends, the same as in 1945-46, are recommended: 15 per cent. on founders' shares; 10 per cent. on ordinary shares. Mr. G. W. Evans (vice-chairman) is the retiring director, and does not offer himself for re-election. Mr. William Turner Haigh, M.P.S., has been nominated for election to the Board.

LAWES CHEMICAL CO., LTD.—The directors propose to issue 201,320 ordinary shares of 10s. each at 12s. 6d. per share to shareholders on the register at May 27 in the proportion of three new shares for every five 7 per cent. non-cumulative participating preference or ordinary shares held. The new shares rank *pari passu* in all respects with the existing issued ordinary shares and will rank for full dividend in respect of the financial year commencing July 1. Subscription has been guaranteed by Hoare & Co., 4 Crosby Square, London, E.C.3.

BIRTHS

WOULFE.—Recently, Peggy, the wife of David Woulfe, L.P.S.I., 14 Lansdowne Road, Dublin, of a daughter.

MACLAREN.—At Montpelier maternity home, Ealing, on May 27, Clara, the wife of Donald MacLaren, M.P.S., 7 Castlebar Road, Ealing, London, W.5, of a daughter.

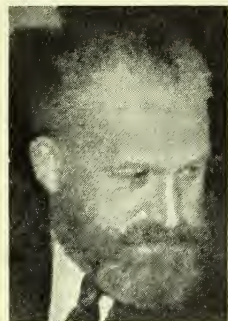
MARRIAGE

HARTLEY-SMITH.—At Burnley, on May 31, Ferguson Hartley, M.C., M.P.S., 67 Ebor Street, Burnley, Lancs (North Lancs representative of Parke, Davis & Co.) to S. Leslie Smith, Birmingham.

DEATHS

BROOKS.—On May 2, Percy Markham Brooks, M.P.S., 15 Flowergate, Whitby, Yorks, aged sixty-one.

CLITHEROW.—At 79 Underley Street, Wavertree, Liverpool, 7, on June 3, Mr.



Richard Clitherow, M.P., M.P.S., L.R.C.P., M.R.C.S., L.M.S.S.A. Dr. Clitherow served his apprenticeship as a pharmacist with the late Mr. G. Kennedy, Park Road, Liverpool, and was for a time an assistant of Mr. Harold Lomax, Liverpool, before leaving the craft to join the Liverpool police. From Liver-

pool he went to Canada to join the Royal North-west Mounted Police, in which he reached the rank of sergeant before deciding to return to England to qualify as a pharmacist. After passing the Chemist and Druggist Qualifying examination in 1927 he gained experience with Boots, Ltd., before setting out on a tour of Canada, the United States and China "to widen his knowledge." In 1930, once more in England, he opened his first pharmacy in Liverpool, and by the age of thirty-five had become the proprietor of eight pharmacies within the city boundary. In an interview with a representative of THE CHEMIST AND DRUGGIST in 1935, Dr. Clitherow put forward "A Pharmaceutical Policy," in which he urged, among other things, territorial representation, a reduction of the Retention Fee and the handing-over of the College

and Pharmacological Laboratories of the Pharmaceutical Society "lock, stock and barrel to where they belong—the University of London." In April 1946 he converted the business into a private limited company, Richard Clitherow, Ltd., with a capital of £6,000. In public affairs Dr. Clitherow has had an extremely active career. He first became a Liverpool city councillor as a Conservative but resigned in June 1945, stating that he had "become increasingly convinced that a Socialist policy was essential." On standing again as a Labour representative he was returned for the Fairfield Ward. A member of the Port Health and Hospitals and other Committees, 1937-45, he was deputy-chairman of the Maternity and Child Welfare Committee, 1938-43; also elected to serve on the national executive committee of the Civil Service Clerical Association. In the 1945 General Election he was returned for the Edgehill division of Liverpool with a majority of 6,039 over his Conservative opponent, and made his maiden speech in the House of Commons on October 10, 1945, during the second reading of the National Insurance (Industrial Injuries) Bill, when he appealed especially for safeguards for health workers who contracted tuberculosis during their employment. Dr. Clitherow's medical qualifications were obtained in 1946. During the same year he was largely responsible for the establishment of the Registered Pharmacists' Union, for which he acted as the first general secretary. He is survived by a widow and two sons, both of whom are at Liverpool College.

MR. G. H. ARMITAGE writes: I first met Richard Clitherow about eighteen years ago, when he served under me as a qualified assistant at Boots, Ltd., 29 Farringdon Road, E.C.1. He was then a young man of dynamic personality, possessing a brilliant brain (but what a handful at times to control). I lost sight of him until about a year ago, when he contacted me with a view to forming a craft union, embracing both self-employed and employee pharmacists. Such a project, I warned him, would result in much opposition. At the R.P.U. executive meeting only last Sunday he informed members present that everything I had said concerning difficulties had come true. He admitted that the opposition he had received had far exceeded his expectations. Documents which have come into my possession the last few hours reveal the extent of the attack on Dr. Clitherow for calling his meeting of pharmacists at the House of Commons. That he carried on the fight

and toured the country on behalf of his project proved his intrepid courage when his position as a Labour M.P. was being attacked. The movement of the R.P.U., which he created, must, in a pharmaceutical John Brown spirit, go marching on.

MR. J. ROSS-MANSELL writes: Clitherow's sudden passing comes as a severe blow to his many friends and particularly to those who were in any way connected with his work. The Institute of Chemists-Opticians, of which he was vice-president, enjoyed his wholehearted support, particularly in its educational and cultural activities. During the Committee Stage of the National Health Service Bill, Clitherow was insistent at every stage that the chemist-optician should be given full opportunity of service and a place in the Act. In pharmaceutical politics he was greatly distressed at the opposition he encountered in forming the Registered Pharmacists' Union, but never wavered in his determination to make it the unifying force in pharmacy. Although he had qualified as a medical man, he always said that his "heart and mind" were in pharmacy and that the profession had opportunities of service under N.H.S. that would have to be seized and used to the full. Pharmacy has lost a doughty champion.

DAVIS.—At Louth Hospital, co. Louth, Eire, on May 23, Mr. Gerald Patrick Davis, L.P.S.I., 11 Park Street, Dundalk. Mr. Davis, who qualified in October 1918, had been in business at 51 Anne Street, Dundalk, for many years.

DRYBURGH.—Suddenly, at his home, Natal Place, Cowdenbeath, after only an hour's illness, Mr. David Dryburgh, aged seventy-seven. Mr. Dryburgh, who qualified as a chemist and druggist in 1893, served his apprenticeship with the late Mr. William Dow, Kinross. He later established his own business in High Street, Cowdenbeath, from which he retired several years ago.

GODBER.—At Tunbridge Wells, on May 23, Mr. Joseph Godber, aged eighty-four. Mr. Godber was a pioneer in building up the chemical, disinfectant, and insecticide manufacturing business of Newton, Chambers & Co., Ltd., Thorncliffe, Sheffield. In particular, he was closely associated with the technical improvement and development of Izal, whose commercial exploitation was left almost entirely to his energy and enterprise. He was for many years commercial manager of the chemicals department of the company, whose service he entered in 1894.

On his retirement from active business, he continued to act as consultant. Mr. Godber was also a director of Thorncliffe Coal Distillation, Ltd., and of National Benzole Co., Ltd., a past-president of the Disinfectant Manufacturers' Association (which he helped to found), and a former member of the Council of the Association of British Chemical Manufacturers. He took an active interest in the work of the Proprietary Articles Trade Association from its early days, and for more than forty years represented his company on the manufacturers' section of its Council. He enjoyed the unique distinction of having held office as president on three separate occasions: in 1914, 1932, and 1935. In 1930, while a Committee on Restraint of Trade appointed by the Lord Chancellor and President of the Board of Trade was sitting, Mr. Godber was chosen by the Council of the P.A.T.A. to give evidence on behalf of the manufacturers' section before the Committee. In 1932, during his second tenure of the presidency, the constitution and rules of the P.A.T.A. were recast; their reframing made heavy demands on his time as president, and called for the exhibition of patience and tact such as he possessed in marked degree. When he retired from the Council of the P.A.T.A. in 1944, Mr. Godber was elected the first honorary member of the Council, a distinction reserved for persons who "as former members of the Council or otherwise have rendered exceptional service to the Association."

HUNT.—On May 21, Dr. Henry Hunt, L.P.S.I., 19 Rathgar Road, Dublin. A former lecturer in materia medica and an examiner in materia medica and botany to the Pharmaceutical Society of Ireland, he qualified L.C.P. & S.I. and Licentiate in Midwifery in 1910. In 1937 he was decorated by the late Duke of Kent for his services to the St. John Ambulance Association, for which he was a volunteer worker for thirty-six years. Dr. Hunt is survived by his widow.

NAYLOR.—On May 2, Mr. Edward Alfred Naylor, Round Garth, Stainforth, nr. Doncaster, aged eighty-five. Mr. Naylor, who qualified in 1890, opened the first chemist's shop in Stainforth.

SCOTT.—On April 4, Mr. Benjamin Scott, M.P.S., Front Street, Pelton, Chester-le-Street, aged thirty-seven.

SMITH.—On May 20, after a short illness, Mr. George T. Smith, manufacturing chemist, Kingsmead, Broadway, Peterborough, aged forty-five.

PERSONALITIES

MR. T. W. D. TURNER (chairman of the Mentholatum Co., Ltd.) who was among the leading scorers at a recent meeting of the London Chemists' Golfing Society (see p. 643) is on a visit to England after seven years in the United States. Mr. Turner, who is a past-captain and past-president of the Society, of which he has been a member since 1921, has played on over 350 golf courses in different countries of the world, including Japan, China, Siam, Java, Australia, and South Africa. He has played twice in the British open golf championship (at St. Andrews in 1930, and at Hoylake in 1932) but states that now, at the age of seventy he plays "mostly for exercise and amusement." Mr. Turner is the donor of the Mentholatum cup.



SIR WILLIAM NORMAN HAWORTH received an honorary degree of Doctor of Laws at a Manchester University ceremony held recently. Sir William, who for over twenty years has been professor of chemistry and director of the department of chemistry, Birmingham University, was awarded, in 1937, the Nobel chemistry prize for work on carbohydrates and vitamin C.

MR. SAMUEL M. BEST (president of the Potter Drug and Chemical Corporation, Malden, Mass., U.S.A.) completed on June 4 forty years' continuous service with the Corporation, during which time he has travelled round the world several times in the Corporation's interests. On the same day he was presented with the degree of Doctor of Science *honoris causa*, by the Massachusetts College of Pharmacy.

MR. JOHN LESLIE HINDLE, B.Sc. (managing director of Standard Synthetics, Ltd., London), has returned from Grasse, where he has been visiting factories producing flower oils and other materials used in perfumery. During his visit (May), he writes, the crops being worked were orange flowers, rose centifolia, and narcisse, all of which are extracted with petroleum ether. Farmers are still gathering their orange flowers by spreading a cloth under the

trees, on to which they drop the flowers—a cascade of living perfume. In spite of still higher prices paid to the farmers for the flowers, many of the houses offering flower oils have reduced their prices. There has been a drop in the sales of perfumes in most countries, particularly in America, he says, consequently the users of flower oils are unwilling to pay rising prices. Stocks of perfumery raw materials remaining in the hands of firms in Grasse are possibly considerable.

BUSINESS CHANGES

READING CO-OPERATIVE SOCIETY, LTD., have opened a new branch pharmacy at 87 Friar Street, Reading.

MR. D. J. CRUICKSHANK, M.P.S., has acquired the pharmacy of Mr. L. Ewen, M.P.S., at Dyce, Aberdeen.

SELFRIDGES, LTD., Oxford Street, London, W.1, announce that their information bureau service has been discontinued.

MR. GEORGE RICHARDSON, medical bottle merchant, has removed to 802 Seven Sisters Road, Tottenham, London, N.15 (Telephone: Stamford Hill 7447).

HARRISON & SELF, analysts and consulting chemists, have transferred their laboratories to 26 Borough High Street, London, S.E.1 (Telephone: Hop 3870).

BINGLEY INDUSTRIAL CO-OPERATIVE SOCIETY, LTD., Bingley, Yorks, have appointed Mr. J. Wardleworth, M.P.S., superintendent chemist.

THE GREATER LONDON BLOOD TRANSFUSION SERVICE has transferred its headquarters to 10 Collingham Road, London, S.W.5 (Telephone: Frobbisher 6477-78).

GELATIN PRODUCTS, LTD., Ontario, Canada (an associated company of Gelatin Products, Ltd., Slough, Bucks) have moved to 1370 Argyle Road, Windsor, Ontario.

PLYMOUTH CO-OPERATIVE SOCIETY, LTD., have acquired the business of Mr. E. Bracken, 67 George Street, Devonport, and are opening it as the Society's tenth pharmacy branch on June 23.

JOHN KNOX (STOKE-ON-TRENT), LTD., wholesale and manufacturing chemists, have removed to Jaynox Works, King Street, Fenton, Stoke-on-Trent (Telephone: Long-ton 39221).

MERSONS (SUTURES), LTD., St. John's Hill Works, Edinburgh, 8, is the title of a new company formed to take over the business formerly conducted as G. F. Merson, Ltd.. The change has involved no break in the continuity of the business, which is continuing with the same management and personnel, with Mr. E. J. Holder, Ph.D., B.Pharm., Ph.C., as managing director.

TRADE NOTES

100 per cent. DDT.—Wholesale Insecticide Distributors, 156 Royal College Street, London, N.W.1, are marketing full-strength DDT powder in boxes.

Nationally Advertised.—Spaces have been taken in the national Press to advertise Yantar hair-conditioning shampoo cream. Chemists are invited to write for terms to the sole distributors for the United Kingdom, Sale, Tilney & Co., Ltd., 3 Lloyds Avenue, London, E.C.3.

Poster Advertising.—Munro Vitarex, Ltd., 6 St. Faith's Road, London, S.E.1, commenced recently a poster advertising campaign in the London area for Charmomy soapless shampoos and wave set. The makers describe the posters as "striking yet dignified."

Again Available.—The 10-oz. size of Elliman's Royal and Universal embrocations and the "club" size of Elliman's rub have been reintroduced by the manufacturers, Elliman, Sons & Co., Ltd., Slough, Bucks. The prices are being notified to distributors.

Aid to Digestion.—Parke, Davis & Co., 50 Beak Street, London, W.1, have introduced Taka-Bexin capsules in which the vitamin-B complex is associated with vitamin C and Taka-diastase in a product which is claimed to be of special value to middle-aged and elderly people who need assistance in digesting starchy food. The formula and price are given on another page.

Price Increases.—Owing to substantial advances in costs, the price of Jeyes' fluid in bottles is being increased from June 9 by the manufacturers, JEYES SANITARY COMPOUNDS, Co., LTD., Millbrook, Manor Road, Chigwell, Essex.—MENLEY & JAMES, LTD., 123 Coldharbour Lane, London, S.E.5, state that they have been compelled by rising production costs to increase, from June 1, the prices of a number of their specialities. A full list and details of the changes are given on another page.

New Issues of Price Lists.—EVANS MEDICAL SUPPLIES, LTD., Speke, Liverpool, 19, announce the publication of a new issue of their "A" list, dated June. The layout of the drug section of the list has been completely revised, and the prices are now quoted for varying quantities of each product.—GENATOSAN, LTD., Loughborough, Leics, state that their price list, 1947, of Genatosan products is now available.

Copies of the list may be obtained by chemists on request to the company.

Redesigned Package.—Burroughs Wellcome & Co., 12 Red Lion Square, London, W.C.1, have issued in redesigned packages their speciality Sketofax brand insect repellent, first introduced with a new formula (incorporating dimethyl phthalate) in 1946. Two packs are available: A cream in cartoned collapsible tubes, and a liquid in gelatin capsules each containing sufficient liquid for one application and packed in cartons of six. Both varieties are displayed in outers of one-dozen cartons, a showcard with each parcel.

Pyrethrum Extract.—Stafford Allen & Sons, Ltd., announce that, in conjunction with Mitchell, Cotts & Co., Ltd., they are now manufacturing pyrethrum extract in Kenya at a plant and factory erected to their own design and layout during the war, in order to ensure adequate supplies of pyrethrum extract for the Armed Forces serving in the Middle East. In the 1946 season the company found it impossible to meet the home demand from their London plant, working to capacity, but they expect this season to be able, with the extract that will be brought in from the Kenya works, to meet all requirements promptly. Sales of the extract in this country will be handled exclusively by the company.

Proprietary Articles Trade Association

Alterations to the Protected List.—Allen & Hanburys, Ltd., Feeders, Allenburys, 8-oz. complete 2s. 6d., 22s. 6d. doz.; spare, temporarily discontinued; half-size, complete, 2s. 6d., 22s. 6d. doz.; half-size spare, temporarily discontinued. Feeder accessories:—Teat, 6d., 4s. 6d. doz.; cleft-palate teat, 1s., 9s. doz.; valve, 5d., 3s. 9d. doz.; brush temporarily discontinued; food measures, glass, 1s. 8½d., 15s. 8d. doz. (All exempt from tax). Cafe Vierge, 4-oz. doz., 2s. 4d., 21s. 9d. doz.; 8 fl-oz., 4s. 3d., 40s. doz. (Exempt from tax). Allenburys carminative, 6-oz., 12s. doz., tax 2s. doz., inclusive retail price, 1s. 8d.; 5-oz. and 10-oz. sizes temporarily discontinued.

Clay & Abraham, Ltd., Canda iodine pens in plastic containers, 9s. doz., tax 1s. 6d. doz., i.r.p., 1s. 2d.; 3-doz. carriage paid rate discontinued.

J. G. Ingram & Son, Ltd., Eclipse whirling-sprays, 12s., 96s. doz. (Exempt from tax).

Opera Omnia, Ltd., Oatine toilet preparations. Details of revised prices may be obtained on application to the Secretary, P.A.T.A., 43 Gordon Square, London, W.C.1.

S. Sigal & Co., Ltd., £3 orders, excluding purchase tax, now sent carriage paid to retailers.

PHARMACY STUDENTS AND NATIONAL SERVICE

THE following information on the deferment of the National Service of pharmacy students is taken from a statement issued by the Pharmaceutical Society:—

The maximum period of deferment of National Service which may be obtained by pharmacy students reaching the age of eighteen in 1947 is the minimum period required to enable the student to comply with the requirements of the examining body for the pharmaceutical degree or diploma examination for which the student has elected to study. The period of practical training under conditions approved by the Pharmaceutical Society may not exceed two years. In view of this overall time limit for completion of training it is important that students should arrange their course in such a way that there is no appreciable interval between full-time studies and practical training at any stage. In all cases in which deferment is granted it is subject to periodical review and its continuance is dependent upon satisfactory progress in studies and practical training.

Securing Deferment

For the purpose of securing deferment from National Service, pharmacy students reaching the age of 18 in 1947 fall into two groups:—

(1) *Men who, on reaching the age of eighteen, are pursuing a full-time course of study or who have arranged to commence a full-time course of study within three months of the expiration of any deferment which they may have been granted to remain at school until the end of the academic year, ending July 31, in which they attain the age of eighteen.*

Applications for deferment from students in group 1 must be made on form Misc. 20 (in duplicate) and sent to the appropriate University Joint Recruiting Board. Except where the applicant is attending a university as an internal student for an approved degree in pharmacy, all applications must be accompanied by a certificate obtained from the Pharmaceutical Society of Great Britain, showing that the full-time course of study proposed, or already commenced, is approved by the Society. Copies of form Misc. 20, and the addresses of Joint Recruiting Boards, may be obtained from the head of the educational establishment which the student is attending.

Shortly before a student is due to complete his full-time studies, the Joint Re-

cruiting Board will invite him to state what arrangements he has made for his practical training, and, upon production of a certificate from the Pharmaceutical Society showing that the arrangements for his practical training are approved, will grant deferment for a further period of two years. A student who wishes to interrupt his full-time studies in order to undergo his practical training should advise the Joint Recruiting Board of his intention in advance and produce a certificate from the Pharmaceutical Society showing that the arrangements for his practical training are approved. He will then be granted deferment for a period of up to two years for that purpose.

(2) *Men who, on reaching the age of eighteen, are receiving practical training under arrangements approved by the Pharmaceutical Society, or have arranged to commence practical training, under conditions approved by the Society, within three months of the expiration of any deferment which they may have been granted to remain at school until the end of the academic year, ending July 31, in which they attain the age of eighteen.*

Applications for deferment from students in group 2 must be made on form N.S. 294 and sent to the University Joint Recruiting Board appropriate to the institution which the student intends eventually to enter for his course of full-time study. A student who has not decided where he will take his course of full-time study should send his application to the nearest University Joint Recruiting Board. In either case the application must be accompanied by a certificate obtained from the Pharmaceutical Society showing that the arrangements for his practical training are approved by the Society. Copies of form N.S. 294, and the addresses of Joint Recruiting Boards, may be obtained from any local office of the Ministry of Labour and National Service.

Shortly before a student is due to complete his practical training, he will be invited by the Joint Recruiting Board to complete form Misc. 20, and his further deferment will be dependent upon his securing a place at a university or college at the appropriate time.

Science Department Extension.—Extensions to King's College, Newcastle, to which a sum of £320,000 has been allocated, are to include a chemistry research laboratory.

COD-LIVER OIL FLEET'S WAR RECORD

IN 1939, when the Royal Navy was desperately short of small fighting ships, the Admiralty requisitioned about 80 per cent. of the long-distance trawlers sailing out of Hull and Grimsby, and even the 20 per cent. remaining were taken for the evacuation from Dunkirk in 1940. During the past twenty years great technical advances have been made in the design of fishing vessels, which today have a far greater size and power than the ships they superseded. For mine-sweeping, fleet convoy work and many of the "odd jobs" that fall to the Navy, they are well adapted, and it was natural enough that they should have been pressed into service immediately hostilities broke out.

Each requisitioned vessel was given a "sting" in the form of a small quick-firing gun forward, with machine guns in convenient positions. Some of the ships were altered to sow depth charges, others equipped with mine-sweeping apparatus after structural alterations. Many went down whilst accompanying convoys to Russia via the Murmansk coast. The trawler "Lady Shirley" achieved the distinction of destroying the submarine responsible for the sinking of the Aircraft Carrier "Ark Royal."

With the return of peace the Government decided to give priority in British shipyards to reconversion of the trawlers, and most of the vessels have now resumed their peace-time operations. The quantity of

fish taken since the end of the war has made a notable contribution to the national economy in the current food shortage, but, by pharmacists, the production of cod-liver oil will be regarded as of even greater importance. The Humber trawlers do not bring the livers to port; they deal with them on board as soon as the cod come up in the nets (as described in the *C. & D. Annual Special Issue*, 1936). Pursuit of that method has been a main factor in establishing the high standing of the British oil. Intake of cod-liver oil stopped, of course, during the war. For a time the Hull and Grimsby organisations were able to keep going by purchasing cod-liver oil on the open markets of the world, but gradually the sources available proved insufficient, and eventually the Ministry of Food took over responsibility for maintaining supplies. The industry co-operated with the Ministry in preparing the various war-time vitamin-containing products. Today, the demand from the domestic market is greater than ever before. Free distribution of cod-liver oil to mothers and children, which might have been expected to make inroads into chemists' turnover, had, instead, the effect of awakening public awareness of the value of the product, and chemists' trade in cod-liver oil has actually increased. At present the Ministry of Food looks after its own distribution, but there seems no reason why pharmacists should not put forward a scheme to take it over.



Left: Cod trawlers under the White Ensign in service as mine-sweepers. Right: A trawlerman prepares for action against an enemy craft.

SYMPTOMATIC DRUGS

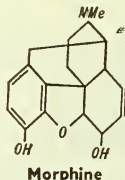
Abstract of lectures on Synthetic Analgesics, Spasmolytics and Antagonists, given in London recently by Mr. F. Bergel, Ph.D., F.R.I.C.

ANALGESICS and anodynes are drugs which suppress the central nervous system without causing loss of consciousness. They raise the pain threshold, but do not affect the response to touch stimuli, vibration, sound or smell, and the mechanism of their action possibly differs from that of anaesthetics and hypnotics. Among the biological tests for analgesic activity which have been devised is the rat-tail method—in which the tail of a rat is placed over a glowing spiral. The delay which a compound causes in the time taken by the rat to remove its tail is regarded as a measurement of its analgesic activity on the rat. Other tests have been used, but the disadvantages of all include the difficulty of assessing the relative activity of the drug on the human subject.

Aspirin and phenazone have a much greater dose level than other types of analgesics.

Anatomy of Morphine Molecule

Morphine as an analgesic has a number of disadvantages, causing vomiting, addiction, depression of respiration and intestinal activity. Chemists are therefore faced with the task of improving the natural drug by increasing its activity and reducing side reactions, and, by syntheses, to find the minimal active groups.

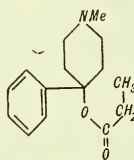


Among portions of the morphine molecule found not to be necessary for analgesic action are the OH groups. Heroin, for example, the diacetyl derivative of morphine, has an analgesic activity of approximately 180 (against morphine's 100), while in the molecules of metapone and Dilaudid, compounds possessing analgesic activity of approximately 1,500 and 500), the secondary OH group is replaced by a carbonyl group. The analgesic activity is not dependent on the original double bond of morphine, however, as desoxydihydromorphine D has an activity of approximately 900. The furane ring structure,

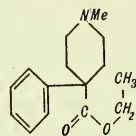
while not essential, enhances the analgesic activity of the morphine skeleton.

Active Danish Compound

The 4-phenyl-piperidine part of the morphine skeleton forms the basis of pethidine, the first synthetic analgesic to be prepared (activity approximately 20), and of a Danish compound, later prepared, which has a considerably greater analgesic activity. These compounds differ in the form of their side chains. Although the essential group for analgesic action has not yet been found, it appears that the side chains which replace the secondary ring of the morphine molecule should be of optimal length, and should have a strong polar group. In synthetic morphine substitutes the OH group is not essential but probably enhances the action; this also applies to the phenanthrene ring.

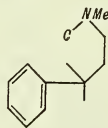


Danish Compound

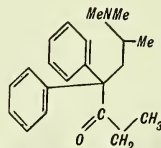


Pethidine

The phenylpropylamine part forms the skeleton of a ketone, Amidon, the *lævo* form of which is about twice as active analgesically as morphine, while the *dl* form is about equally as active as morphine, but better tolerated.



Phenylpropylamine part



Amidon

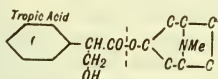
Spasmolytics and Frenotherapeutics

Spasmolytics are drugs which attack pain "at the source," e.g., in the spasm of smooth muscle. Their action counteracts that of acetyl choline, which belongs to a group of substances mimicking certain nervous impulses. The inhibitors are divided according to their physiological action as follows:—

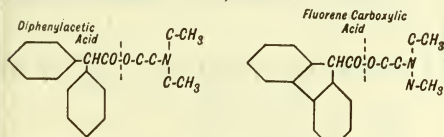
(a) *Autonomic Inhibitors*

1. Sympatholytics and adrenolytics (drugs which antagonise sympathetic stimulation, or adrenaline, ephedrine, etc.): Ergotamine, ergotoxine, benzodioxane derivatives, 883F and 933F, etc.
 2. Parasympatholytics, neurotropic spasmolytics and anti-acetylcholine compounds (drugs which antagonise parasympathetic stimulation, etc.): Atropine, Trasentin, pethidine, etc.
 3. Inhibitors of autonomic ganglia and skeletal muscle: Nicotine, tubocurarine, Myanesin, etc.
- (b) Musculotropic spasmolytics (drugs which antagonise spasms produced by Ba ions): Papaverine, Sestron, calcium ions.
- (c) Histaminolytics, antiallergics (drugs which antagonise fall of blood pressure, shock, bronchial constriction): Benadryl, Antergan.

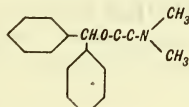
Atropine is the natural antagonist of the parasympathetic system, and its structure may be represented as follows:—

**Atropine**

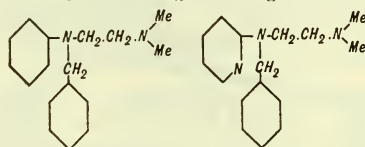
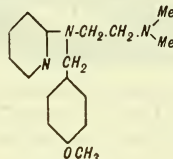
The "heavier" or tropic acid part of the atropine molecule appears to be responsible for the physiological affect, and the inclusion of heavier rings in the molecules of synthetic atropine-substitutes increases their atropine-like action, examples being Trasentin, Transentin 6H, Pavatrine.

**Trasentin****Pavatrine****Histaminolytics**

Pethidine, which has some anti-acetylcholine effect as well as anti-histamine

**Benadryl**

The strong anti-histamine action of Antergan may be due to a structural resemblance to histamine, thus causing a "jammed lock" effect. The action is increased by increasing the weight of the ring

**Antergan****Pyribenzamine****Neoantergan**

structures as in pyribenzamine, Neoantergan, Hetramine, and a compound called 3015 R.P. containing a sulphur atom in the ring structure.

RECENT RESEARCH

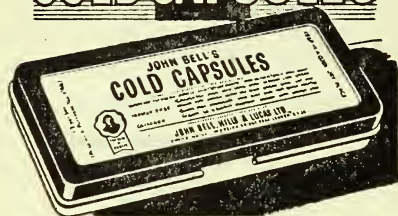
Alkaloids in Solanaceous Seeds.—Replying to a question by Mitchell (Stafford Allen & Sons, Ltd.), concerning the distribution of alkaloids in solanaceous seeds, James, ("Nature," February 8, p. 196) states that the synthesis *de novo* of the alkaloids commences at the very outset of the germination of the seed; the alkaloids of the ripe seed are survivors from the activity of the post-fertilisation stage of the ovule; and that the inner tissues lose their alkaloids during maturation either by breakdown *in situ* or by migration to the periphery.

Gammexane in Mosquito Control.—

Residual sprays containing the insecticide Gammexane applied to the internal walls of native houses in Sierra Leone reduced the numbers of mosquitoes in the houses "very significantly" for periods varying from one to six months. The optimum concentration, states Davidson, ("British Medical Journal," May 17, p. 681) appeared to be 10 mgm. Gammexane per sq. ft. of wall surface (applied as a 0.5 per cent. solution). In persistence this compared favourably with DDT at a concentration of 100-200 mgm. Solutions in kerosene or water-miscible oil gave better results than water-dispersable powder forms of Gammexane. As numbers of mosquitoes in untreated houses also fell, it appeared that many of the insects were being killed off.

effect, and Benadryl, an antiallergic, are related somewhat in structure to atropine.

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GENESERINE GRANS and SOL.
GENOSCOPLAMINE GRANS
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BOLDINE HOUE.
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The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of the Chemist & Druggist

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JUNE 7
1947

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for 40 words or less, 2d. for every additional word

RETAIL (HOME)

HEMISTS' assistants (ladies) wanted for clerical work in the N.H.I. checking bureau and stock ing departments. Apply National Pharmaceu- cal Union, 4-5 Queen Square, W.C.1.

HEMIST, qualified, manager, either sex, per- manency, superannuation scheme in force. Ap- plications stating wage required to the Managing retary, Blyth Co-operative Society, Blyth.

ITY druggist requires experienced lady assistant in cosmetics. Good hours and wages. Apply y's, 113 Finsbury Pavement, E.C.2.

ARWEN Industrial Co-operative Society, Ltd. Wanted, qualified male pharmacist as branch nager (no Sunday or half day duty). Salary ording to Co-operative Pharmacy Scale. Per- nent position. Superannuation scheme. Applica- ns stating age, experience, etc., to Secretary, ool Street, Darwen, as early as possible.

PROGRESS

Stocktaking for Income Tax purposes
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Mr. M. H. Barnes, late of 2 Ivy Crescent, Cippenham Lane, Slough, Bucks, has pleasure in announcing removal to enlarged and more convenient premises at 4 Charlwood Street, Victoria, S.W.1 to which all future correspondence should be addressed. For straightforward terms, speed, accuracy, together with court- esy and unobtrusive workmanship, APPLY NOW. Over 25 years' practical experience, with a complete knowledge of up-to-date prices, and purchase tax requirements, at your service, RESULTS AVAILABLE 7 DAYS AFTER VALUATION. Chemists own stock-sheets priced, at reasonable terms. Specialist in valuation of lab- oratory furnishings, equipment and fine chemicals.

Messrs. Barnes & Jarratt,
Licensed Appraisers,
4, Charlwood Street, London, S.W.1

VICTORIA 5686

DISPENSING assistant, male or female, required for suburban family business, North London. Write 175/898, C. & D. Office.

ENFIELD, North London. Pharmacist required to manage good-class family business in Enfield district. Scope for development. Good salary offered to competent man. No living accommodation. Write 175/894, C. & D. Office.

ESSEX, near London. Qualified manager required for important pharmacy in busy shopping centre; must be energetic, able to control staff and stock. Keen on display. Good salary with excellent prospects. Completely renovated living accommo- dation available. Write 175/897, C. & D. Office.

HOLLOWAY, N. Manager required for busy main road pharmacy, energetic, experienced, used to N.H.I. Living accommodation available. Good salary. Write 175/893, C. & D. Office.

HOUNSLOW. Pharmacist branch manager re- quired for modern high-class pharmacy. No holiday or Sunday duties. Excellent scope for initiative and ability in a growing company. Full particulars and salary required to Cunninghams, 187 Worple Road, Raynes Park, S.W.20.

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Perfumes for sale in the Home
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ling interest in a progressive
firm.*

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Write in strictest confidence to :
Box L.R.2 c/o C. J. Lytle Ltd.,
24/25 New Bond St., London, W.1

LADY pharmacist required as manageress of a good-class West End pharmacy, mainly counter work, congenial post. Also part-time lady pharmacist required. Apply Superintendent Chemist, Heppells (1932), Ltd., 70 Vauxhall Bridge Road, London, S.W.1. Phone Victoria 2204.

LONDON, W.1. Qualified assistant required lady or gentleman with dispensing and counter experience. Congenial post and good working conditions. Please apply, stating full particulars with regard to experience and salary required, to Marshons, Ltd., 123 Baker Street, W.1.

LONDON Co-operative Chemists Ltd., have vacancies for pharmacist branch managers in the following areas: Ealing, Ilford, Barking, Wembley and North London. New wage agreements now in operation. The positions offer scope, security of tenure and participation in the superannuation scheme. Accommodation in one instance can be offered in the Burnt Oak area. Application in first instance to Superintendent Chemist, 54 Maryland Street, Stratford, E.15.

LONDON, E.17. Pharmacist required to control main shop, counter and large N.H.I. dispensing, good staff. Salary £10 per week, permanency. 177/981, C. & D. Office.

MANAGER to take charge branch North London. Progressive post. Living accommodation not available. Apply with full particulars to Box A, 1/45, C. & D. Office.

MID-Sussex. Qualified manager required mid-June as locum with view to permanency and investment if interested. Old established family and dispensing. Applications with full details to 174/856, C. & D. Office.

NOTTINGHAM. Qualified manager required for family business in good-class residential area. Good prospects to energetic man, able to build up somewhat neglected business. Living accommodation available. Permanency. Write 175/895, C. & D. Office.

ORRIDGE & Company Employment Agency, Columbia House, Aldwych, W.C.2. Chancery 6446-7. Branches at Southampton and Birmingham. Enquiries invited from all employers seeking staff. Many pharmacists and unqualified assistants available for retail and wholesale. Representatives also requiring situations. Reasonable terms. Write to Columbia House for particulars.

POPULAR. Manager, qualified, required for busy pharmacy in Poplar. Good salary offered to energetic man with experience. Permanency with good prospects. Write 175/896, C. & D. Office.

QUALIFIED manager required for good-class family dispensing business in residential area of Wimbledon, Surrey. Permanent appointment; no living accommodation. Good salary. Write 1/26, C. & D. Office.

QUALIFIED. Permanent. Dispensing and counter. Good working conditions and prospects; also unqualified for counter. John W. Howorth, Ltd., 160 Central Drive, Blackpool.

SOUTHPORT. Qualified and unqualified assistant, either sex, required mainly for dispensing duties in busy up-to-date pharmacy with other staff. The post offers scope for enlarging one's experience and is permanent; with good working conditions. Please apply in writing, stating experience, salary required and other usual details to J. R. Cave (1922), Ltd., 52 Nevill Street, Southport.

THE Royal Arsenal Co-operative Chemists, Ltd., required pharmacists for their branches in South-east and South-west London. Permanent positions with opportunity for progress. Superannuation and special bonus schemes in operation. Apply in writing stating age, experience and salary required to the Staff Manager, Royal Arsenal Co-operative Chemists, Ltd., 113 Powis Street, Woolwich, S.E.18.

THE Royal Arsenal Co-operative Chemists, Ltd., require unqualified assistants. Permanent positions. Superannuation scheme in operation. Apply in writing, stating age, experience and salary required to the Staff Manager, Royal Arsenal Co-operative Chemists, Ltd., 113 Powis Street, Woolwich, S.E.18.

TIMOTHY WHITES & TAYLORS invite applications from pharmacists, male or female, for managerial positions in London and throughout the South of England; also for relief duties for the holiday period with consideration for management and permanency at the end of the season. Local interviews arranged at short notice. Good salaries; excellent prospects; superannuation scheme. Apply, with full particulars, to Retail Staff Dept. (Drugs), Timothy Whites & Taylors, Ltd., 70 Vauxhall Bridge Road, London, S.W.1.

UNQUALIFIED assistant required for old-established business in Dorset seaside town. Salary £250-£300. Forty-hour week. Suit lady or gentleman. Particulars of experience and accommodation required, to 1/39, C. & D. Office.

UNQUALIFIED assistant required with good West End experience, mainly for counter work and window dressing. Apply, Manager, Frizell & Co., Theatrical and Foreign Chemists, Leicester Square, London, W.C.2. Phone Gerrard 2945.

UNQUALIFIED assistants, male or female. Permanent or during vacation. Central London. Apply B, 1/46, C. & D. Office.

UNQUALIFIED assistant required (duties mainly counter and display) for suburban pharmacy, five minutes' Thornton Heath Station. Apply with full particulars to S. A. Waters, Wilkes, Chemist, 105 Parchmore Road, Thornton Heath, Surrey. Livingstone 4978.

VICTORIA, S.W.1. Branch manager required for mixed-class pharmacy, within 10 minutes of Victoria Station. Permanent appointment. Good salary. Saturday half-day. Write, 175/892, C. & D. Office.

VALLASEY. Qualified pharmacist, lady or gentleman, for counter and dispensing. Permanency. Full particulars to 176/933, C. & D. Office.

WANTED. Manager, for branch pharmacy, male or female. Good prospects for suitable applicant. Superannuation scheme in operation. Applications, stating age, experience, etc., to The Secretary, Heckmondwike & District Co-operative Society, Ltd., 3 Oak Street, Heckmondwike.

WANTED. Qualified assistant, lady or gentleman for central pharmacy. Good prospects of permanency for suitable applicant. Superannuation scheme in operation. Scale rate of wages fixed. Full particulars, giving age and experience, to The Secretary, Heckmondwike & District Co-operative Society, Ltd., 3 Oak Street, Heckmondwike.

WANTED. Qualified pharmacist to take charge of branch. Good prospects, good wages and conditions. Superannuation scheme in operation. Apply to Sheerness Co-operative Society, Ltd., 100 High Street, Sheerness, Kent.

WEST HARTLEPOOL. Pharmacist, capable of taking charge of a branch, required. Suitably qualified person. Exceptional opportunity for experience in busy good-class store pharmacy. Salary 16s. (including war bonuses). Particulars to Hartlepool Co-operative Chemists, Ltd., West Hartlepool.

YOUNG lady dispenser-receptionist wanted by firm of South London medical practitioners for duties at second surgery. Apply in first instance with particulars to 42 Streatham Hill, S.W.2.

YOUNG lady for chemist's toilet counter. South Kensington area. Apply "A", 176/925, C. & D. Office.

LOCUMS WANTED

LOCUM required, qualified, July 21 to August 2 inclusive (fortnight), suit retired pharmacist; 1 staff to assist, duties light. Nicoll, The Bridgnorth Pharmacy, Shropshire.

LOCUM required urgently, week June 9 to 14 incl. Suit retired pharmacist. Full and experienced staff to assist, duties light. Good remuneration and accommodation found. Nicoll, The Bridgnorth Pharmacy, Shropshire. Telephone Bridgnorth 3297.

QUALIFIED locum required for departmental store, June 30th to July 12th. Jarrold & Sons, Ltd., London Street, Norwich.

QUALIFIED locum for departmental stores, Aug. 25 to Sept. 6 inclusive. Please state terms and usual references, Burgess & Colbourne, Ltd., Parade, Ramington Spa. Phone 1500.

WHOLESALE

ACTIVE young man required as representative to call on chemists in the Home Counties for premier distributing house for medicinal proprietaries, toilet goods, surgical dressings, etc. Reply giving full details in confidence of previous experience, if any, together with age, whether car owner, and salary required, to Sales Manager, Fassett & Johnson, Ltd., 86 Clerkenwell Road, London, E.C.1.

ALLEN & HANBURY, LTD., have vacancies for a pricing clerk and order clerk. Applicants must have a good knowledge of the drug trade. Five-day week. Staff canteen. Apply Personnel Department, Allen & Hanbury, Ltd., Bethnal Green, E.2.

ASSISTANT pharmacist (male) required for manufacturing department with some laboratory work. Recently qualified preferred. Apply in writing to Beechams Pills, Ltd., St. Helens, Lancs.

ASSISTANT required for routine analysis of pharmaceuticals in the analytical laboratory of C. R. Parker, Staggs & Morgan, Ltd., Emmott Street, London, E.1. Apply stating experience and wages required.

CHEMICAL mixed and processor wanted for cosmetic manufacturers. Old established house. Good salary. 1/47, C. & D. Office.

CHEMIST, not necessarily qualified, required as representative for Ulster by firm manufacturing insecticides, vermicides and animal medicines. Travelling experience essential. Apply with copies of testimonials, stating age and salary required. Expenses paid for interview. 176/939, C. & D. Office.

CHEMICAL merchants, old established, Eastcheap, require young clerk preferably with working knowledge buying, selling and office routine. Good prospects. Write stating age, experience, salary to Box K.B.P., 174/869, C. & D. Office.

COSMETIC chemist, well known firm, London area, require chemist experienced in wide range toilet articles, to take charge new product research. Good salary, permanent post and really first class prospects for energetic man. State posts held and present salary in confidence. Mark envelopes "Managing Director," 172/806, C. & D. Office.

EXPERIENCED sales manager required by well known progressive sales organisation handling only first class lines. Must have good connections amongst chemists, stores, Co-ops and general wholesalers and have ability to train and supervise present large staff of representatives covering the British Isles. This is a highly responsible post with unlimited scope. Very high remuneration and expenses offered to right man. Apply in first instance, giving age and full details in strictest confidence to 176/928, C. & D. Office.

EXPERIENCED representative required by manufacturers of quality toilet preparations, London area. Applicant must have existing live contacts with chemists, stores, etc., and be prepared to build sales on new and existing territory. Car owner essential. Permanent progressive position for man able to produce results. Full particulars to 1/12, C. & D. Office.

EXPERIENCED representative required having connections with chemists, stores and general wholesalers in Warwickshire, Worcestershire and Staffordshire. Excellent salary and liberal commission and expenses paid to right man. Permanent post with excellent prospects. Well known nationally advertised lines. Only those with first class connections should apply stating lines already handled, age, and general experience in confidence. 176/927, C. & D. Office.

FEMALE ledger clerks and telephonist required by an old established firm of distributing chemists situated in N.1 district. Applicants please write, giving age, some details of past experience and salary required. Alternate Saturdays off. 1/10, C. & D. Office.

FIRM of manufacturing chemists in Northern Ireland requires qualified production chemist with experience in manufacturing insecticides, vermicides and animal medicines. Required to take charge of small but progressive factory. Good prospects for keen man willing to collaborate in building up efficient organisation. Commencing salary £400 per annum. Full particulars to 176/938, C. & D. Office.

FOUR exceptional opportunities occur with progressive firm of manufacturing chemists for experienced sales representatives. The men appointed will be required to call on pharmacists, departmental stores and wholesalers with a line of nationally advertised and branded proprietaries. Territories available are Yorkshire, Midlands, South Wales and West of England. Previous experience in the pharmaceutical trade essential, preferably in one of the territories concerned. Good standing salary, commission and expenses paid. Car owners preferred. All applications will be treated in strict confidence. Write, giving details of experience, sales records, qualifications, etc., 1/29, C. & D. Office.

FULL-TIME representatives for various counties including parts of Greater London required by well established firm in packaging container trade. Applicants to call on manufacturing chemists, manufacturers of toilet preparations, household goods, etc. Remuneration will be by salary, commission and expenses. Applicants, car owners only, possessing the necessary qualifications, should send full particulars, age, experience, etc., stating area interested, to 1/4, C. & D. Office.

GENERAL manager, manufacturers chemists' sundries, requires personal assistant, male, 25-30. Interesting progressive post for young man, preferably having previous manufacturing and commercial experience, who aspires to eventual senior executive position. Write, giving full details in confidence. 1/16, C. & D. Office.

GOOD agents and travellers required by manufacturing chemists for several lines saleable to the chemist, drug and grocery trades. Good commission and prospects. 176/953, C. & D. Office.

INCREASING commission. Representatives required in Scotland, Wales, Lancs and Yorkshire, for established proprietary laxative on excellent increasing commission basis. Showcards and counter-letters available, together with chemist's bonus on very small introductory orders. Charge through wholesalers. State other lines carried. 1/11, C. & D. Office.

LEADING London house of essential oil distillers and flavouring essence makers require assistant chemist, preferably with pharmaceutical training in flavouring essence department for experimentative formulation and compounding. Write stating age, experience and salary required to 176/929, C. & D. Office.

MANUFACTURING chemists, N.E. London district, engaged on processing and packing pharmaceuticals, require experienced chemist to manage small factory. 5-day week. Write, full particulars, to 175/916, C. & D. Office.

MANUFACTURING chemists in North London require woman pharmacist as second assistant in the dispensing and light manufacturing department. Salary according to age and experience. Write Box 552, Dorland, 18 Regent Street, S.W.1.

OLD-ESTABLISHED manufacturers of hot water bottles, teats and soothers, require a first-class traveller to call on wholesale druggists' sundriesmen. Good salary and commission to right applicant. Apply 1/42, C. & D. Office.

PILL-MAKER required for old-established firm, N.W. London, to understudy foreman, shortly retiring. Good opportunity for energetic man with ability and suitable experience. (5-day week.) Apply, stating age, experience and salary required, 1/27, C. & D. Office.

REPRESENTATIVE required by well-known manufacturers. Good connection with first-class chemists and stores in London. Commission basis. State lines carried. 1/18, C. & D. Office.

REPRESENTATIVE required by well-known manufacturers. Good connection with first-class chemists and stores for Kent, Surrey and Sussex. Commission basis. State lines carried. 1/19, C. & D. Office.

REPRESENTATIVE required by well-known manufacturers. Good connection with first-class chemists and stores in Northern Ireland. Commission basis. State lines carried. 1/20, C. & D. Office.

REPRESENTATIVES. A good opening occurs for two full-time representatives to call upon retail and wholesale chemists. Permanent position and good prospects with a well-known London firm of manufacturing chemists. Remuneration by salary and commission plus expenses. Applicants should have first-class connections and reside on the following territory: (A) West London, Berks, Bucks, Oxford, Hants and Dorset; (B) Scotland. Full details, stating age, experience, etc., to 1/28, C. & D. Office.

REPRESENTATIVE required by Hirst, Brooke & Hirst, Ltd., for South Yorkshire area. Applicants must be pharmacists with experience preferred. Apply to Managing Director, Sheepscar Works, Leeds, 7.

REPRESENTATIVES required for all parts of the country to call on grocers, chemists, ironmongers, etc., by manufacturer of first-class coupon free washing powder, DDT, Starch, etc. on commission basis. Only well-introduced men considered. Apply, 1/41, C. & D. Office.

REPRESENTATIVES required by three high class cosmetic companies to cover Lancashire, Cheshire, Northumberland, Durham, Westmorland, Cumberland, Devonshire, Cornwall, Dorset, Wiltshire, Hants and Midlands. Must have good connection high class chemists and stores, car owner and local resident preferred. 'O.R.' 1/7, C. & D. Office.

REPRESENTATIVES required on commission basis throughout Great Britain with live connections with the wholesale and retail grocers, stores and chemists for sound repeating household products. Only salesmen accustomed to large turnover need apply. Reply to Slip, 95 Victoria Street, St. Albans, Herts.

SALESMEN-TECHNICIANS. The Ethicon Division of Johnson & Johnson (Gt. Britain), Ltd., Slough, have vacancies for gentlemen with genuine interest in assisting surgeons and hospitals. Good personality and appearance essential. Salary £500 minimum. Applications with photograph to Sales Manager, Hospital Department.

SURGICAL and adhesive dressings. Well-established firm of manufacturers in Scotland require active agents in all areas of England including London and the South Coast; live connection with chemists, departmental and general stores. Full particulars of territory, etc., to "Ultraplast," Ltd., Sales Office, 187 St. Vincent Street, Glasgow, C.2.

THE Crookes Laboratories, Ltd., invite applications for the following permanent positions on their technical staff. Salaries offered will be in accordance with qualifications and experience. Applications should be made in writing to the Personnel Manager, Crookes Laboratories, Ltd., Gorst Road, Park Royal, N.W.10., giving age, particulars of education, qualifications and experience and mentioning the particular position in which the applicant is interested. (a) One chemist for the research department. First or second class honours degree essential. Previous research experience, post-graduate or industrial desirable. Preference given to applicants with a knowledge or experience of biochemical work. Age 23 to 33. (b) Chemist graduate for laboratory work on problems of current production. Some previous pharmaceutical experience in industry essential. Age 25 to 35. (c) Senior and junior chemists with pharmaceutical experience for work on development of new pharmaceutical products. The qualities sought in addition to technical knowledge are initiative and a flare for elegant presentation of products. Ages 25 to 35 and 20 to 30 respectively. (d) Chemist for analytical department. Graduate preferred, but consideration will be given to persons possessing intermediate qualifications with previous analytical experience. Age 20 to 25. (e) Female graduate with chemistry and/or biology for work with animal colony used for biological assays of vitamins. The post is that of assistant and previous experience is not essential. Age 20 to 25. (f) Technician for bacteriological laboratory to assist bacteriologist. Previous experience in bacteriological laboratory essential. Age not below 25. (g) Senior librarian. Lady scientific graduate with knowledge of library organisation and administration and experience in abstracting technical literature, preferably including medical literature. Age not below 25.

THE managing director of a firm of manufacturers of medicinal preparations in London requires a chief confidential assistant with a wide knowledge of the pharmaceutical industry. The post offers an exceptional opportunity for a permanent career with unlimited prospects to an applicant giving the necessary qualifications. A good commencing salary will be paid. Please send details of past experience, age, etc., in confidence, to 1/32, C. & D. Office.

URGENTLY required. M.P.S., as superintendent for newly formed company consisting inter alia chemists and druggists manufacturing laboratories (moule and tablet departments) wholesale and retail. Good salary and prospects. Write, stating experience and full particulars, to 1/17, C. & D. Office.

VALES. Representative (Welshman) required by firm of manufacturing chemists to call upon doctors, chemists and hospitals in connection with high-class ethical pharmaceutical products. Salary, commission and expenses basis. 1/23, C. & D. Office.

WELL known manufacturers in London opening adhesive plaster department require energetic experienced manager with complete knowledge of making zinc oxide plasters including felt spreading. Must be capable of engaging and directing staff and generally managing plant. Good salary and bonus with excellent future. Write giving particulars of experience to 176/941, C. & D. Office.

WHOLESALE distributors seek live representatives in most areas. Apply with full particulars, Box 1/64, C. & D. Office.

WHOLESALE require experienced travellers for various territories calling on all types of dressers. Car owners preferred. Salary, commission and expenses. Full details first letter. 1/947, C. & D. Office.

YOUNG pharmacist (male) required for office duties in connection with technical intelligence service. Only registered pharmacists considered. Newly qualified candidates suitable but experience in large hospital dispensary advantageous. Permanent appointment with opportunity of increasing responsibility. Applications should be made in writing to Personnel Officer, May & Baker, Ltd., Dagenham, Essex.

SALES representatives required by firm of manufacturing chemists to call on retail and wholesale chemists in (1) Warwickshire, Worcestershire, Leicestershire and South Staffordshire. (2) Lincolnshire, Rutland, Derbyshire and Nottinghamshire, with range of new proprietary C.F. products. Remuneration by salary, commission and expenses. Only applicants possessing live established connections on these territories will be considered. Applications should give full details of past experience, if car owner, and approximate number of accounts. 1/910, C. & D. Office.

WHOLESALE (OVERSEAS)

CHEMISTS urgently required by large company operating in the Middle East. Will be employed either on development or process work and could be prepared initially to undertake shift work on process plant; should possess B.Sc. degree and preferably have had substantial industrial experience. Age not over 30. Single men preferred. Starting salary not less than £500-600 p.a. according to qualifications, together with a generous allowance in local currency, also free furnished bachelor accommodation, free passages out and home; free medical attention; kit allowance; provident fund benefits. Applicants must be of full British parentage and should write stating age, qualifications and experience to Dept. F.18, 162/462, C. & D. Office.

PLANT chemists urgently required for process plant operations by large company operating in the Middle East. Applicants need not be graduates but should have had a chemical training up to Inter B.Sc. or National Certificate Standard with experience of shift work in either a gas, coke oven or chemical works. Age not over 30. Salary in sterling between £540 and £600 per annum plus generous allowances in local currency, with free furnished bachelor accommodation, passages out and home, medical attention, also kit allowance and provident fund benefits. Apply stating age, qualifications and experience, etc., to Dept. F.22, 162/461, C. & D. Office.

SITUATIONS WANTED

2/6 for 18 words or less, 1d. for every additional word

RETAIL (HOME)

UNQUALIFIED, 38 years' varied experience, married, seeks position of trust, any capacity. Permanency, whole or part time. East Kent preferred, otherwise accommodation necessary. Offers? 174/878, C. & D. Office.

WHOLESALE

ACTIVE traveller wants good offer. Big connection, South of England. Wages, commission and expenses. Excellent references. P, 54 Davis Road, Acton, W.3.

ADDITIONAL lines required by representative with excellent connections amongst chemists, hairdressers, etc. in South and West Wales, Gloucestershire and Herefordshire. Car owner. Willing to introduce new product. 1/40, C. & D. Office.

AN ex-officer undergraduate with considerable technical and executive experience, is anxious to contact a progressive concern of wholesalers or manufacturers, with a view to taking up a responsible position on graduation in about 18 months. Would be willing to devote his vacations to the firm's interests without salary, provided that a post offering real scope is eventually secured. 176/950, C. & D. Office.

EXPORT. Single woman, 35, accustomed to handling sales correspondence, shipping, and all export formalities, seeks part-time post. 11-4 daily. Knowledge pharmaceuticals, oils, and chemicals, fluent French and German. Free July. 176/956, C. & D. Office.

GENERAL or sales manager, qualified, age 49, at present earning £1,250, seeks change offering advancement. Good references, sound judgment backed by experience, thorough knowledge modern sales methods including advertising, and a record of steady, persistent increase. 175/920, C. & D. Office.

GENTLEMAN, presently employed Midland territory. Car owner wishes represent reputable firm. 1/36, C. & D. Office.

GENTLEMAN. Good knowledge of chemical trade seeks change. 16 years' experience covering buying and selling raw materials. Toilet preparations, pharmaceutical products to medical profession and public, sales, advertising, accounts, printing, staff control, etc. Useful suppliers contacts and existing accounts. Highest references. 175/891, C. & D. Office.

LADY, Apothecaries' Hall certificate, desires locum in August. Hospital, doctor or chemist. Any district, but good accommodation essential. 1/25, C. & D. Office.

MEDICAL representative, good connections, doctors, hospitals, West Midlands; own car; seeks change. 1/37, C. & D. Office.

PUBLIC school man seeks good position with reputable firm. Sound experience, retail, wholesale and manufacturing chemist, medical propaganda and factory and sales management. Used to handling large staff, male or female. 1/21, C. & D. Office.

REPRESENTATIVE resident E. Yorks, calling chemists' stores, hairdressers N. & E. Yorks, Northumberland, Durham and N. Lincs, requires post with well-known house. Sound connection interview preferred. Only salary, commission, expenses posts entertained. Write fully, 1/44, C. & D. Office.

REPRESENTATIVE, good connection, covering Lancs, Cheshire and North Wales for nationally advertising firm, desires further established line. Replies, 1/22, C. & D. Office.

REPRESENTATIVE, own car, very strong connection in South Wales, South West England, with chemists, multiple stores, co-operative societies, etc., wishes to contact good class firm on salary, commission and expenses basis. 175/919, C. & D. Office.

APPOINTMENTS

BRADFORD ROYAL INFIRMARY (495 Beds.)

Applications are invited for the post of DEPUTY CHIEF PHARMACIST.

Manufacturing experience an advantage. J.N.C. Scale of Salaries, commencing £425 per annum.

Applications giving full particulars and stating names of three referees should be sent immediately to the House Governor and Secretary.

BRISTOL ROYAL HOSPITAL

Purchase Clerk required (male or female). Able to undertake purchasing under supervision of Chief Pharmacist. Knowledge of stores accounting. Must be experienced in wholesale drugs, sundries, and surgical instruments. Commencing salary not less than £320 p.a. with rapid advancement for satisfactory service. Membership of superannuation scheme. Applications in writing, to Chief Pharmacist, Royal Infirmary Branch, Bristol, 2 not later than June 28th, 1947.

CITY AND COUNTY OF BRISTOL DEPARTMENT OF PUBLIC HEALTH

Applications are invited for the appointment of an Assistant Pharmacist at Southmead Municipal General Hospital. The salary scale, which is £370 x £15 x £20 x £450 per annum, and the conditions of service, are in accordance with the recommendations of the Joint Negotiating Committee (Hospital Staffs). The appointment is subject to the provisions of the Local Government Superannuation Act, 1937, and to passing a medical examination. Application forms may be obtained from the undersigned to whom they should be returned not later than June 21st.

R. H. PARRY,

Medical Officer of Health.

Kenwith Lodge, Westbury Park,
Bristol, 6.

LONDON COUNTY COUNCIL

PART-TIME ASSISTANT PHARMACIST required for duty at St. Lawrence's Hospital, Caterham, Surrey. Candidates must be Registered Pharmacists. Salary 5s. an hour for a maximum of 21 hours a week. Apply to Medical Officer of Health (MHS/I) Public Health Department (Medical Health Services), County Hall, Westminster Bridge, S.E.1. (1730).

LOCUM ASSISTANT PHARMACIST required by MIDDLESEX COUNTY COUNCIL at NORTH MIDDLESEX COUNTY HOSPITAL, EDMONTON, N.18 from 23.6.47 to 9.8.47. Salary under review. Apply immediately to MEDICAL DIRECTOR of Hospital (quoting B.873 CD).

LOCUM ASSISTANT PHARMACIST, Central Middlesex County Hospital, Park Royal, N.W.10, required immediately by Middlesex County Council for holiday relief duty for several months. Salary according to experience, up to £8 13s. p.w. inclusive. Apply as soon as possible to Medical Director. (B.916)

HERIOT WATT COLLEGE, EDINBURGH PHARMACY DEPARTMENT

Applications are invited from British subjects for appointment as Head of the Pharmacy Department. Candidates should hold an Honours Degree or its equivalent, pharmaceutical qualifications and have previous teaching experience. Salary scale £700—25—£900. The successful candidate may be placed on the scale according to his qualifications and experience. Further particulars may be obtained from the Principal to whom applications must be submitted not later than 30th June, 1947.

J. CAMERON SMAIL,
Principal.

HILL-END HOSPITAL, ST. ALBANS

Required immediately, assistant Pharmacists or dispensing assistants. Salary for Pharmacists £370 to £450 per annum and for assistants in dispensing £270 to £350 per annum, inclusive of cost-of-living bonus. Apply, stating age, qualifications and particulars of experience to Medical Director.

LONDON COUNTY COUNCIL

PART-TIME ASSISTANT PHARMACIST required for duty at Tooting Bec Hospital, Tooting Bec Road, S.W.17. Candidates must be Registered Pharmacists. Salary, 5s. an hour for a maximum of 21 hours a week. Apply to Medical Officer of Health (MHS/I), Public Health Department (Mental Health Services), County Hall, Westminster Bridge, S.E.1. (1733.)

LONDON COUNTY COUNCIL

ASSISTANT PHARMACIST required for duty at each of the following hospitals:—

- Banstead Hospital, Sutton, Surrey.
- Bexley Hospital, Bexley, Kent.
- Claybury Hospital, Woodford Bridge, Essex.
- Friern Hospital, New Southgate, N.11.
- St. Bernard's Hospital, Southall, Middlesex.
- Long Grove Hospital, Epsom, Surrey.
- West Park Hospital, Epsom, Surrey.

Candidates must be registered pharmacists. Salary £370, rising to £450 a year. Commencing salary according to experience. For application form send stamped addressed foolscap envelope to Medical Officer of Health (MHS/I), Public Health Department (Mental Health Services), County Hall, Westminster Bridge, S.E.1. (1727.)

PHARMACIST (HOLIDAY RELIEF) wanted at the Essex County Council Hospital, Broomfield, near Chelmsford, from 25th August to 6th September, next, inclusive. Inclusive salary in accordance with the scale applicable to post of Assistant Pharmacist as recommended by the Joint Negotiating Committee (Hospital Staffs) at a rate between £385 and £450 a year according to experience. Applications should be made to the Medical Superintendent as soon as possible.

MIDDLESEX COUNTY COUNCIL

TWO ASSISTANT PHARMACISTS, Redhill County Hospital, Edgware, Middlesex, registered pharmacists essential. Salary £370 by five increments to £450 p.a. inclusive. Previous experience as assistant pharmacist may be considered in determining commencing salary. Whole-time, established, pensionable, subject to medical examination. Application stating age, qualifications, experience, with copies of up to three recent testimonials, to Medical Director immediately. No forms.

C. W. RADCLIFFE,
Clerk of the County Council.

Middlesex Guildhall,
S.W.1. (B.905)

ROYAL SOUTH HANTS AND SOUTHAMPTON HOSPITAL, SOUTHAMPTON

ASSISTANT WOMAN PHARMACIST REQUIRED. Hospital experience not essential. Salary in accordance with the J.N.C. Scale. Applications, stating age, qualifications, with copies of recent testimonials should be sent to the undersigned forthwith.

FRANK JENNINGS.

House Governor and Secretary.

28th May, 1947.

SURREY COUNTY COUNCIL

ASSISTANT PHARMACIST required at:—
EPSOM COUNTY HOSPITAL, Dorking Road, Epsom.

Commencing salary on grade £370 x £15—£430 x £20—£450 p.a. inclusive. Applications in writing, stating age, qualifications and experience, with copies of not more than three recent testimonials, should be sent to the Medical Superintendent of the Hospital.

THE GENERAL INFIRMARY AT LEEDS

Applications are invited for the appointment of **ASSISTANT PHARMACIST**. Salary in accordance with the J.N.C. scale commencing at £350 plus meals, which will be provided when on duty. Federated Superannuation Scheme in force. Night and week-end duty will be worked in rotation. Previous hospital experience not essential.

Applicants must reply in own handwriting, stating sex, age and experience, and also enclose copies of not more than three recent testimonials, to the House Governor and Secretary, not later than 21st June, 1947.

AGENCIES

1/6 for 36 words or less, 3d. for every additional word

INDIA. Well established importers-exporters and stockists desire sole representation of British uses manufacturing fine chemicals, pharmaceutical products, proprietaries, cosmetics, etc. Good average and excellent references. Correspondence invited. Universal Agencies, Importers-Exporters, 11 Alayaperumal Street, Madras 1.

REPRESENTATIVES required calling on retail chemists to carry cough pastilles, C.F. Commission only. Good quotas. Area: 1, Cornwall, Devon, Somerset, Dorset; 2, Gloucester, Wilts, Hants. Full est particulars. Apply 1/48, C. & D. Office.

SMALL wholesalers invited to carry well known nationally advertised quality product sold by chemists, etc. Big discounts and turnover. Write stating territory covered to 176/932, C. & D. Office.

SURGICAL rubber goods. Agents and travellers required to sell either on own account or on commission, well-known branded surgical rubber goods. Regular repeat orders can be obtained from hairdressers, chemists and general stores. Easily carried. Samples and details of prices and terms sent only to bona fide applicants enclosing postal order 5s. Write now to 1/30, C. & D. Office.

TRAVELLER to carry interesting lines on commission for chemists in Greater London and Southern Counties. Write G. E. Betterton & Co., Ltd., 100 Great Russell Street, London, W.C.1.

TRAVELLERS calling retail chemists to carry sure seller, 20% commission. 1/6, C. & D. Office.

BUSINESS OPPORTUNITIES

12/6 for 36 words or less, 3d. for every additional word

LABORATORY facilities wanted, suitable for organic preparations. Two or three evenings a week or Saturday. 1/24, C. & D. Office.

NATION-WIDE sales organisation with remarkable record of successful merchandising is open to consider one or two lines. Only branded lines offering possibilities of big permanent business are of interest. Box S.551, c/o Erwoods, Ltd., 211 Piccadilly, London, W.1.

NEW career. If you are a person of enterprise, personality and ability, with capital, and desire to have an independent future. The Scholl Mfg. Co., Ltd. (Dr. Scholl's Foot Comfort Service) will train you and give you every assistance in owning a dignified and remunerative business, where your investment will be secure. Applications invited from men and women. Write with particulars of age, experience, etc., The Secretary, New Career Scheme, Dept. C.D., London, E.C.1.

PROPRIETOR of established chemists, now conducting drug store, desires to contact young man (qualified) with limited capital as partner. Rapidly growing district, Sussex coast. Premises well appointed. 1/38, C. & D. Office.

PROPRIETARY medicinal product. Would any large pharmaceutical concern with national advertising allocation be interested in taking over a small provincial limited company owning proprietary (bottled) line with exceptional possibilities? Registered trade mark, U.K. and abroad. Reputable product in everyday demand. Consistent progress past ten years, net profit past two years £4,000 per annum, although sales confined to five counties, pop. 4 million. Now too big for single owner/founder (pharmacist with flair for advertising) who wishes to retain active interest in future development. Very full records and statistics kept. Any propositions from first class firms only welcomed. 1/3, C. & D. Office.

TOILETS quota (large or small) will be purchased by advertiser. Please state amount for sale and price for outright purchase. 176/942, C. & D. Office.

TONIC wine. Advertiser can influence supplies of Empire wine and is willing to invest capital in established tonic wine business desirous of expanding. Would consider starting a new business with somebody who has a first class knowledge of the trade and who is preferably, but not essentially, willing to put up some capital. Write full details in confidence to Box B.658, Erwoods, Ltd., 211 Piccadilly, London, W.1.

BUSINESSES WANTED

7/6 for 40 words or less, 2d. for every additional word

COTSWOLDS. Broadway or Bourton-on-the-Water preferred. Experienced chemist would like to purchase well-established business. Please reply to 15 Park Crescent Mews East, Great Portland Street, London, W.1.

BUSINESSES FOR DISPOSAL

7/6 for 40 words or less 2d. for every additional word

BEST positioned, corner chemist and photographic shop in Blackpool. Old established, 18 years. Owner retiring. Extremely high profits are usual and with supervision unpredictable profits are possible. Price includes low stocks, fixtures and goodwill. Opportunity to acquire unique business. Apply corner promenade Chemist, opposite North Pier, Blackpool. Principals only 'phone 3456.

HERBALIST and Hygienic rubber stores, Main street position. No opposition. Opportunity to add chemists and photography. Rent only £100 a year exclusive. Shop, kitchen, study, sitting-room, bathroom, 4 bedrooms, brickbuilt warehouse at rear, side entrance. Electric and gas. Phone, etc. 21 years' lease. Good trade, guaranteed more than a living. Price for goodwill, fixtures, fittings, stock cases, everything, and long lease, vacant possession when required, £2,500 or near offer. No triflers need apply. Stamped addressed envelope for reply, K. E. Horsenail, 6 St. John's Street, Bedford.

WANTED

7/6 for 36 words or less, 2d. for every additional word

A BIG price offered for home cines, cameras, or projectors. Bell-Howell, Kodak, G.B., etc. Also Leica, Contax and other precision cameras, enlargers, exposure meters, etc. Prompt cash. Wallace Heaton, Ltd., 126-7 New Bond Street, London, W.1.

AUTOMATIC cream filler wanted at once; big price paid. Shavex Co., Bavaria Road, Hol-loway, N.15.

BICHROMATE, pot. or sod, urgently required State price and quantity. (1-cwt. minimum). George Rice, Ltd., Hudson Bay Works; Warton Road, Stratford, E.15. Telephone Maryland 1222.

CHLORATE of soda for weed killer. Required, C small or large quantity. Price to Nicoll, The Bridgton Pharmacy, Shropshire.

ETHYLENE diamine 95%. Any quantity required up to 150 kilos, reply 1/8, C. & D. Office.

GLYCERYL Mono Stearate enquiries are invited for a material similar in every respect to Glyceryl mono stearate, except hardness. Can be substituted for glyceryl mono stearate in all its uses. Write 1/31, C. & D. Office.

GLYCERINE wanted, any quantities taken off B.P. quality. Cash by return. State quantity available and price required to 157/296, C. & D. Office.

PHENOLPHTHALEIN, phenacetin, caustic soda, soda ash, sodium bicarbonate, B.P. required in substantial quantities. Top market prices paid. 1/43, C. & D. Office.

POWDER filler and liquid vacuum filler required, in perfect working order. State makers, where can be seen and price asked, to Box Y, c/o Max Ritson & Partners, Ltd., 33 Henrietta Street, London, W.C.2.

Q.P. hand and power emulsifiers in any condition. Please state price and condition. 125/982, C. & D. Office.

SACCHARIN tablets. Pharmacist, proprietor of a good-class single pharmacy, would be glad to obtain regular supplies of standard strength saccharin tablets in bulk or packed. Write in strictest confidence to 166/605, C. & D. Office.

STEARIC acid triple pressed required in large quantities. 147/850, C. & D. Office.

WANTED. Spools and wrappers, 120 and 620, 3s. 6d. per doz. paid. Sumner, 16, Woodstock Gardens, Blackpool.

WANTED. Acid boric pulv., linseed, glycerine. Offers to 1/9, C. & D. Office.

26 -OZ. and 13-oz. wine or champagne bottles required. 625/524, C. & D. Office.

MISCELLANEOUS SALES

12/6 for 36 words or less, 3d. for every additional word

ACCEPT twelve shillings gross, about 30 gross new plain gilt tins 2½" x 9/10" fit over lids; also 100 gross 4d. surplus polish dubbin in lever lid tins, 10s. gross deliveries. Cummings, Gillar Street, Merthyr.

FOR SALE. Air cleaning plant, unused. 2 machines each 15,000 c.f.t. hourly with filters and conduits. Enquiries: Affined Basic Chemicals, Ltd., Empire Works, Desborough Road, High Wycombe, Bucks. Tel. High Wycombe 2266.

FOR sale, 1 drum 40/45 gallons amber mineral oil, price £7 10s. 176/954, C. & D. Office.

LANGAPRESS printing machine in good condition, suitable for overprinting chemist's own name, etc. May be inspected at 6 & 8 Cole Street, London, S.E.1.

QUICK selling line for sale at wholesalers' rates, prompt delivery, stamped addressed envelope for particulars. 1/5, C. & D. Office.

STOCKS to clear. ¼ ton gammexane dust D.034 40 gross 6-oz. slip on lid, tins, 4½ in. diameter x 1 in., 5-gallon drums mineral oil, ½ ton Egyptian henna in small lots or in quantity. L.L.N., Albermarle House, Anlaby Road, Hull.

SURPLUS stock sodium hypochlorite 5% to 15% available bulk or carboys. 1/13, C. & D. Office.

TWENTY to twenty-five gross 10 oz. fancy jars complete with black metal screw cap suitable for bath crystals, powder, etc., at 60s. per gross. Anolv Lewis & Melchior, Ltd., 4 John Adam Street, London, W.C.2.

WALL showcase from West End chemist's shop, fitted sliding glass doors, concealed lighting, very modern, price £75. Also from same shop, sectional wall mirror. 5 ft. 6 in. by 4 ft., price £70. Apply 1/2, C. & D. Office.

25 GROSS 5 oz. emulsion bottles, suitable for hair cream, available for early delivery. 25 gross 2 oz. bottles with bakelite caps. Immediate delivery. H. S. Bottle Co., Ltd., 15A Whitcomb Street, Pall Mall East, London, W.C.2.

75 GROSS, 1 oz., black glass jars with black Bakelite lids, 54s. a gross; sample jar post 9d. 25 gross 2 oz. black glass, shaped jar with red bakelite lid, 66s. a gross; sample jar post 9d. Taylor Medical Supplies, Ltd., 39 Albert Road, Morecambe.

20,000 BOXES 1½" x ¾" covered deep cream paper, suitable for lipsticks, etc., 9s. gross. 70/80,000 flat folding cartons, 4¾" x 2" x 2¼" 80s. thousand. 1/35, C. & D. Office.

THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

or RETAILER—WHOLESALE—MANUFACTURER
Circulates throughout the Pharmaceutical,
Chemical, Drug, Essential Oil, Perfumery,
Cosmetic, Toilet Preparation and allied
Trades and Industries in Great Britain,
Ireland, British Empire, and foreign countries

Official organ of The Pharmaceutical
Society of Ireland, The Pharmaceutical
Society of Northern Ireland, The Chemists'
and Druggists' Society of Ireland and of
other Chemists' Societies in the Empire.

VOL. CXLVII JUNE 7, 1947 NO. 3511

Free and Controlled Essential Oils

IN May 1943, a scheme for regulating the importation and distribution of essential oils was drawn up by the trade and consuming interests concerned and approved by the Ministry of Food. The chief objects of the scheme were to avoid forcing up prices and to ensure equitable distribution. An advisory committee composed of representatives of importers, distributors, users, and the Ministry, with an independent administration, has operated the scheme with an amount of success and satisfaction that is unusual where such controls are concerned.

Since July 1, 1943, and for some time after the end of the war, trade in the whole range of essential oils has, in this way, been controlled by the scheme, with the Government acting as importers, and distribution to merchants and users, generally based on pre-war trade and consumption, carried out by the control administration.

Decontrolled Oils

At the time the scheme was introduced, it was understood that, as and when world trading conditions permitted, control would be relaxed. From time to time lists of oils removed from the scheme of distribution have been issued, and this week the tenth of such lists has been published. To date, some fifty oils have been decontrolled and about twenty-four remain subject to the scheme. Importers require, of course, to obtain licences to import decontrolled oils on their own account, but so long as the

quantity is reasonable and the oil required to meet orders from consumers, for re-distillation, for re-export, or for breaking-down and repacking into smaller quantities, no obstruction or delay to trade should occur from that cause. The complete list of decontrolled oils is as follows:—

ALMOND, BITTER	LAVENDER, SPIKE
BASIL	LEMONGRASS
BAY	LIME
CADE	MARJORAM
CALAMUS	MUSTARD
CANANGA	NEROLI
CARDAMOM	NUTMEG
CASSIA	ORIGANUM
CEDARLEAF	PALMAROSA
CINNAMON LEAF	PARSLEY
CITRONELLA, Ceylon	PATCHOULI
CLARY SAGE	PENNYROYAL
COPAIBA	PETITGRAIN—
CORIANDER	French & French
CUMIN	N. African
DILL	PINE, <i>pumilionis</i>
EUCALYPTUS	PINE, <i>syvestris</i>
<i>citriodora</i>	ROSEMARY
FENNEL	SAGE
GERANIUM	SASSAFRAS
GINGER	SAVIN
GINGERGRASS	THYME
GUAIAWOOD	VETIVERT
JUNIPER BERRY	WORMWOOD
LAVANDIN	YLANG YLANG
LAVENDER	

Controlled Oils

The oils which are still controlled, although comparatively few in number, form the hard-core of the trade and include a number of the more important products.

The complete list is as follows:—

ANISEED (and Star)	GRAPEFRUIT
BERGAMOT	LEMON (cold pressed)
BIRCH TAR	LEMON (distilled)
BOIS DE ROSE	LEMON SICILIAN
CAJUPUT	LINALOE (wood or seed)
CAMPHOR, Brown	MANDARIN
CAMPHOR, White	ORANGE bitter and sweet
CARAWAY	OTTO OF ROSE
CEDARWOOD	PEPPERMINT, <i>M. arvensis</i>
CINNAMON BARK	(dementholised).
CITRONELLA (Java)	
CLOVE (stem, bud or leaf)	
EUCALYPTUS	
(AND DIVES)	

PEPPERMINT	SPEARMINT
<i>M. piperita</i>	SHIU (Ho)
PETITGRAIN	TI-TREE
(Paraguay)	WINTERGREEN
PIMENTO LEAF	WORMSEED
SANDALWOOD	(American)

The question when these oils will be released from the control rests very much with the Treasury, the majority of them being obtained from dollar-currency countries, and for this and other reasons their early decontrol is not to be anticipated. Importers and distributors, however, who naturally desire a return to pre-war conditions, will no doubt make their views known to the authorities. A majority of consumers also would no doubt welcome a return of freedom to purchase where and how they think best, particularly on the point of securing a brand of oil which, from experience, they know best suits their purpose.

The control of products of the nature and variations in quality and character of essential oils has not been an easy, rule-of-thumb task. Fortunately for the trade and consumers, the advisory committee, under the chairmanship of Mr. Arthur Wheeler, has consisted of men with long experience and sound knowledge of a complex trade, in whom importers, distributors and consumers alike have had entire confidence.

Management as an Art

SEVERAL witnesses who gave evidence before the Percy Committee on Higher Technological Education in 1945 claimed that the highly trained technician was often ignorant of the principles of industrial organisation and management and showed no inclination to accept administrative responsibility. The view is confirmed in a recently published report of the Urwick Committee, a body appointed in 1945 to advise the Minister of Education on the facilities required for education for management in industry and commerce ("Education for Management," H.M. Stationery Office, price sixpence).

The report points out that theoretical study alone cannot make a manager; that success depends on innate qualities, acquired knowledge, experience under competent guidance, and, above all, on the degree to which these elements are com-

bined into a balanced personality commanding respect. How far management can be taught as a theoretical subject is open to debate, but it is obvious that the less time the modern syllabus leaves in which a student may gain experience under normal commercial conditions, the greater the need for theoretical training in management to be made available.

Management in Pharmacy

In pharmacy, with the diminishing emphasis now being placed on apprenticeship, a newly qualified man is likely to forfeit the advantage enjoyed by his predecessors over other newly qualified technicians emerging from the academic to the commercial world. Pharmacists might have looked to "Education for Management" for some indication how to become qualified for the higher managerial posts in industry and commerce. Unfortunately the report gives little guidance on such topics. The Urwick Committee was representative of professional and educational interests, and had little experience of the commercial and industrial problems which faced it. It has made valuable suggestions for the co-ordination of the curricula of a number of organisations, none of them pharmaceutical, which already had schemes of management training, but the general effect of the report is to emphasise how little is known in Great Britain about management generally. The committee suggests that a new Central Institute of Management, to operate under the auspices of the Board of Trade, should collect all possible information about the subject, and that a report should be made on the facilities for education in management in the United States; both are valuable suggestions.

Prescription Problem Solution

THE following is the correct rendering of the prescription reproduced in last week's issue, p. 627:

Big girl with spots
 Sec. inst. (=date)
 R Pot. Cit. gr. 4
 Pot. Bic. gr. 4
 Aq. Camph. 3ii
 3ii 4. hrly.

Any calcium preparation
 Chew tab. calc. lact. gr. V.

THAMES VALLEY ANNUAL MEETING

THE annual meeting of the Thames Valley Pharmacists' Association was held at Kingston-on-Thames on May 22. Mr. I. CUNNINGHAM (president) suggested that more meetings of general interest and fewer technical lectures would make future programmes of the branch more attractive. Mr. CUNNINGHAM followed with a talk on "Retail Trends," stressing the danger of overstocking, especially with toilet articles and cosmetics.

Mr. W. GRIFFITHS (treasurer) appealed for increased subscriptions to the Pharmaceutical Society's Benevolent Fund and described the valuable function of the Society's convalescent home. An illuminated address, presented to Mr. H. E. Clements by the Middlesex Pharmaceutical Committee in recognition of his long and distinguished service, was read out to the meeting by the resident.

An informal discussion was then opened by Mr. N. DEWEY, who proposed that the pro-

fessional services of a pharmacist under contract to an Insurance Committee should be covered by an annual establishment fee, with separate payment for the dispensing and supply of drugs and appliances. Mr. CUNNINGHAM urged that the Society's Council should suggest to pharmacists what would be required from them under the National Health Service. Mr. F. NEVITT thought that 90 per cent. of the examination syllabus was never used; the course needed rearrangement rather than lengthening. Mr. F. DAVIS said the aim of the Society's new education policy was to make the pharmacist a professional man, able to make a good living from professional pharmacy without the aid of side-lines; under the new service pharmacists would be engaged solely in dispensing. THE PRESIDENT suggested that the need for a higher standard of pharmaceutical education applied more to pharmacists in technical jobs than to those in retail pharmacy.

EAST METROPOLITAN REORGANISATION

At the annual meeting of the West Ham and Eastern District Association of Pharmacists and Branch of the Pharmaceutical Society, held recently, with Mr. R. L. Worth in the chair, Mr. STANLEY ROBINSON said that the Branch, with 360 members and some twenty student associates, covered a large, densely populated area, ranging from Aldgate to Chadwell Heath and Ongar, and from North Woolwich to Chingford and Chigwell. Attendance at the seven meetings held during the year had averaged forty-five, but 140 members had attended a lecture given by Mr. F. Dallow at Walthamstow, and more than 100 had been present at a film show held at Stratford. The innovation of holding two of the Association's meetings at Ilford had evoked an encouraging response. Social events had included an outing to the Royal Horticultural Society, Wexley, Surrey, a New Year social and the Association's annual dinner. The Walthamstow Pharmaceutical Association had been successfully revived during the year, most of its members being allotted to the West Ham Branch. Mr. Robinson pointed out that the revival had introduced some anomalies into the constitution of the Branch. Continuing his report, Mr. Robinson regretted that no members had been active in pharmaceutical affairs nationally. Mr. W. H. CLOUD moved "That the West Ham and Eastern District Association of Pharmacists and Branch of the Pharma-

ceutical Society should be divided into (a) an official Branch of the Pharmaceutical Society, and (b) a voluntary Association." The Association, said Mr. CLOUD, should take responsibility for social functions, leaving the Branch to concentrate on scientific and educational matters. The motion was opposed by MESSRS. J. REED, F. R. MAXEY and S. A. EVANS, but was carried by a more than two-thirds majority. Mr. R. B. DAVIES, seconded by Mr. L. H. MOPPETT, moved that the Branch should in future be described as the East Metropolitan Branch of the Pharmaceutical Society. An amendment moved by Mr. S. ROBINSON, and supported by MESSRS. S. CLIFFORD JONES and J. REED, that "West Ham" should be retained in the title, was defeated, and the original motion carried by a large majority. A committee for each organisation was then elected, and the following officers appointed: East Metropolitan Branch: *Chairman*, Mr. S. Clifford Jones, Canning Town; *Vice-chairmen*, Messrs. R. B. Davies, Barking, and R. L. Worth, Manor Park; *Treasurer*, Mr. J. Reed, West Ham; *Secretary*, Mr. Stanley Robinson, 21 Broadhurst Avenue, Ilford, Essex; West Ham Association of Pharmacists: *President* and *Treasurer*, Mr. J. Reed; *Vice-presidents*, Messrs. G. P. Bowen, Forest Gate, and R. L. Worth, Manor Park; *Secretary*, Mr. William H. Cloud, 45 Longbridge Road, Barking.

PHARMACEUTICAL COMMITTEES' CONFERENCE

A CONFERENCE of Pharmaceutical Committees' representatives was held in London on May 28, Mr. G. H. M. Graham (chairman, National Pharmaceutical Union) in the chair. The Conference was attended by the representatives of ninety-six Pharmaceutical Committees in England and Wales.

Reason for Calling Conference

Opening the proceedings, THE CHAIRMAN stated that the primary reason for holding the Conference was to find a satisfactory solution to a problem that had faced retail chemists in England and Wales for thirty-two years, namely the provision of an efficient pharmaceutical dispensing service in all areas, urban and rural. The Act gave pharmacists the right to dispense medicines prescribed under the National Health Service for the men, women and children of all cities, towns, villages and hamlets in England and Wales. There might be some doubt whether pharmacists were in a position to provide a satisfactory service to people living in sparsely populated areas of the countryside, and one purpose of the Conference was to ascertain representatives' views and devise ways of solving the problem. Delegates would see from their agenda papers that a plan had been worked out, and that the Executive Committee of the N.P.U. would like delegates to express their opinions on the figures and percentages there given. The desired information was needed to give a true picture of the position. THE CHAIRMAN then sounded a note of warning. Pharmacists should not imagine, he said, that the Ministry of Health or, more particularly, the doctors would be satisfied if the problem could be only partly solved. If pharmacists could only produce a plan covering a fraction of the country population, leaving a large proportion of the insured persons in rural areas still on doctors' dispensing lists, then the doctors might well claim to continue providing the medicine in the future as they had done in the past. If, however, the Conference could suggest methods satisfactory to the insured person, such methods could be placed before the Minister with confidence. Mr. Graham stated he did not wish, and neither did his Executive, to present to the representatives a cut-and-dried plan. It was the opportunity of representatives to tell the Executive Committee how the problem could be met.

It had not been found possible to include in the agenda all resolutions received from

Pharmaceutical Committees since the agenda had been printed and sent out, but there was nothing to prevent any delegate from moving a resolution during the course of the day's proceedings. THE CHAIRMAN then formally moved Resolution 3(a)

"That this Conference is of the opinion that the dispensing of medicines in rural areas should be undertaken by pharmacists."

Many delegates spoke in support of the resolution, and a number of amendments were submitted. The following amendment, put to the Conference by MR. W. A. BALES (Coventry Pharmaceutical Committee), was carried unanimously.

"That this Conference is of the opinion that the dispensing of medicines in rural areas can and must be done by pharmacists."

Resolutions 3(b) (c) and (d) were submitted collectively:—

(b) "That the extension of the mile limit to three miles will automatically reduce the number of persons for whom doctors dispense by at least 70 per cent.

(c) "That 25 per cent. of the persons for whom doctors dispense can be supplied by means of depot arrangements."

(d) "That the remaining 5 per cent. could be supplied only by use of the postal, bus, or carrier services."

Many delegates expressed the views of their Committees on these resolutions. Some Committees asked for the mile limit to be extended to four or five miles, and many Committees suggested abolition of the mile limit. Delegates expressed their views on figures submitted by the N.P.U. Executive, and it was then decided to withdraw these resolutions from the agenda. In their place, MR. T. J. ROBERTS (Denbighshire Committee) proposed the following resolution:—

"That this Conference is of the opinion that the dispensing of medicines for rural areas should be undertaken by pharmacists, which they are capable of doing, without any limitation as to the distance of the insured person from the pharmacist."

MR. G. HINCHLIFFE (Cheshire Committee) seconded, and the resolution was carried unanimously.

THE CHAIRMAN then submitted resolution 3(e) for discussion:—

"That subject to national arrangements having been made regarding the various methods which may be authorised

for providing the service, the suitability of any particular method is a matter for discussion locally between the Executive Council, the Panel Committee and the Pharmaceutical Committee for the area concerned."

MR. C. S. CHALLINOR (West Riding Committee) moved the deletion of the words "Panel Committee" from the resolution. MR. H. M. HIRST (North Riding Committee) seconded, and the resolution was carried unanimously. THE CHAIRMAN next formally proposed Resolution 3(f):—

"That until national arrangements regarding the methods to be used have been made, Pharmaceutical Committees should take no action locally."

The resolution was carried unanimously.

Joint Committee and the N.P.U.

After the luncheon interval, MR. C. S. CHALLINOR (West Riding Committee) moved Resolution 4:—

"That in view of the fact that the Negotiating Committee set up by the Joint Committee on the National Health Service is not composed as visualised by the representatives of this Committee present at the Conference held in London in April 1946, e.g., there is no company chemists representation, this Committee feels very strongly that the authority vested in the Joint Committee should be withdrawn and transferred to the N.P.U."

MR. H. ENGLAND (West Riding Committee) seconded. MR. F. G. WELLS (Middlesex Committee) expressed the view that the Conference was not properly representative. He pointed out that Middlesex represented over one million insured persons and the chemists of that county were represented by only two delegates instead of twelve as at the previous Conference. The question, he said, was one of the most important matters that had come before any conference, and he reminded delegates that the previous resolutions, giving authority to the Joint Pharmaceutical Committee, had been passed at a Joint Conference of Pharmaceutical Society and N.P.U. Branches and of Pharmaceutical Committees in June 1946, when over 300 delegates had been present. He asked why the present resolution should be brought forward without everyone interested having an opportunity of discussing it. He hoped that no vote would be taken and that Mr. Mallinson would give a statement bringing everyone up to date on the current position. MR. W. MORREL (Surrey) asked if Mr. Mallinson

would give the delegates some idea of the considered opinion of the Executive.

Secretary's Statement

MR. G. A. MALLINSON said that he was in a difficult position, as he was bound to contradict a number of statements that had been made by good friends of his, whose feelings he did not wish to hurt. In the first place, the Ministry of Health had not asked for a Joint Committee to be set up in pharmacy, and the establishment of such a Committee had been the idea of the N.P.U. Executive. In March 1943, representatives of the Council of the Pharmaceutical Society had met representatives of the N.P.U. Executive to discuss the forthcoming Health Service and what was to be done about it. The N.P.U. had realised that they represented only one section of pharmacy, i.e., the contractors. The employees had been regarded as being covered by the Joint Industrial Council. The underlying idea of the N.P.U. Executive was that a Joint Committee, representing the Society, the N.P.U., the company chemists, with possibly one or two representatives of employees, should be set up; that proposal had been refused by the Pharmaceutical Society's Council. In October 1944 a Conference had been held which gave authority to the N.P.U. to co-operate with other bodies, including the Pharmaceutical Society and the Scottish chemists. The N.P.U. had suggested that the company chemists should be represented on the resulting Joint Committee, but in November 1944 a resolution of the Council of the Pharmaceutical Society had disapproved of the invitation being sent. Meetings of other pharmaceutical organisations had been called by the Council of the Pharmaceutical Society without any reference to the N.P.U., and these were now all represented on the augmented Joint Committee. They included the Association of Pharmaceutical Employees; Association of Scientific Workers; Guild of Public Pharmacists; Co-operative Parliamentary Congress; National Association of Women Pharmacists; National Co-operative Managers' Association; National Association of Employee Pharmacists; National Pharmaceutical Employees' Union; National Union of Distributive and Allied Workers; Scottish Pharmaceutical Federation; and Socialist Medical Association. The company chemists, invited to another meeting, had been present, but they took exception to two items on the agenda. The two points were also opposed by the N.P.U., which had been overruled. The points were limitation of pharmacies and making the manager a

party to the contract. Mr. Mallinson said that, in his opinion, the first item was a great danger to the private pharmacist, who would have to get permission to open a business in any new area, and the companies and others with unlimited financial resources would be in a better position than the average private man. In that way there would be a diminution in the number of private proprietors. If anyone was going to lose anything under the National Health Service Act it would be the proprietor pharmacists, unless they looked after their own interests. He had been accused of sending out a circular that treated the Council of the Pharmaceutical Society unfairly, but he did not withdraw a single word from it.

The N.P.U. had always felt, he continued, that they were in a minority on the Joint Committee, and that the majority was composed mainly of the Pharmaceutical Society's representatives, plus a multitude of organisations who wanted to have a finger in the pie of the contractors' agreement. The feeling had been going on for a long time, and the N.P.U. had tested the feeling of the Joint Committee. So far as the Executive was concerned, it had felt that the enlarged Joint Committee and Mr. Tristram were being used to eliminate the N.P.U. from the future control of the National Health Service. The N.P.U. had felt, right from the beginning, that a Joint Committee was needed, but had never considered surrendering their authority regarding the conditions of the contract and the terms of remuneration of contractors. That was the issue that had been before the Joint Committee, and a resolution had been proposed by the Co-operative representative that an invitation should be sent by the Joint Committee to the N.P.U., the company chemists and the Co-operative Parliamentary Congress urging that the Central N.H.I. Committee should undertake the negotiations regarding the new National Health Service and that in future the Committee should be known as the Joint Contractors' Committee and become a subcommittee of the full Joint Committee. The Executive Committee of the N.P.U. had resolved that the invitation to form a Joint Contractors' Committee should be accepted, but that its position as a subcommittee of the full Joint Committee was not acceptable, although the N.P.U. Contractors' Committee would be prepared to co-operate with, and report to, the full Joint Committee. The N.P.U. Executive felt that, if they accepted the position of a subcommit-

tee, they would be liable to have any of their findings cancelled or refused by the Joint Committee. Someone was sure to claim the right that the resolution gave to challenge the findings of the so-called subcommittee. It also meant that never again could the N.P.U., without the permission of the Joint Committee, call a Conference to discuss matters connected with the Service, and control would be removed entirely from the N.P.U. in regard to National Health Service affairs. Mr. Mallinson went on to say that thirty years had been spent in building up an organisation that could speak for retail pharmacists. If retail pharmacists missed the present opportunity they would find it difficult to recover lost ground. Mr. GRAHAM, from the chair, supported Mr. Mallinson in the views which he had expressed and again stated the policy of the Executive.

Many representatives expressed their views on the resolution, and Mr. Tristram was called upon to place before the Conference his views as chairman of the Joint Committee. Mr. A. H. PRESTON (Leicestershire Committee) finally submitted the following amendment to the resolution put forward by the West Riding Committee:

"That the Joint Contractors' Committee of the N.P.U., with full executive powers, be authorised to be the negotiating body for the terms of the contract, on the understanding that the Joint Contractors' Committee will co-operate with the Joint Committee on all aspects of the National Health Service and will keep the Joint Committee informed of the progress of negotiations."

This was seconded and carried with seven dissentients.

Future of Pharmaceutical Committees

When THE CHAIRMAN asked if there was any other business to be placed before the Conference, a question was put regarding the setting up of the new Pharmaceutical Committees. Mr. MALLINSON replied that new Pharmaceutical Committees would have to be elected before the Service came into operation. He anticipated that elections would take place towards the end of 1947; he asked if the Conference wished the Committees to be appointed, and whether it would allow the old ones to carry on until the new Health Service really began. This procedure was accepted by all representatives at the Conference.

Mr. S. J. STEARN proposed a vote of thanks to the chairman, which was seconded by Mr. H. M. HIRST, supported by Mr. C. S. CHALLINOR, and carried unanimously.

PHARMACEUTICAL SOCIETY'S FINANCIAL STATEMENT

Summary of Income and Expenditure for Years Ended December 31, 1946 and 1945

GENERAL FUNDS	EXPENDITURE		INCOME		1946	
	1946	1945	1946	1945	SURPLUS	DEFICIT
EDUCATION	£	£	£	£	£	£
College	29118	22232	15731	7499	—	13387
Museum	478	44	—	—	—	478
Library	1487	1410	—	—	—	1487
Examinations	8611	9710	12842	14286	4231	—
Miscellaneous	901	2177	—	—	—	901
	40595	35573	28573	21785	—	12022
AW						
Law Department	16544	12375	3487	2584	—	13057
BENEVOLENCE						
Benevolent Fund—General	11625	7889	10584	10115	—	1039
—War Aid	5007	5739	1489	6602	—	3518
Hills Orphan Fund	—	—	212	212	212	—
Orphan Fund	220	1101	1263	1187	1043	—
Supplementary Benevolent Fund	—	—	—	10	—	—
Conference Entertainments Fund	—	—	40	41	40	—
	16852	14729	13590	18167	—	3262
ORGANISATION	2880	2245	—	—	—	2880
PUBLICATIONS						
Pharmaceutical Journal	2263	5392	—	—	—	2263
Quarterly Journal	1739	1052	1952	1120	213	—
British Pharmaceutical Codex	5566	2979	5024	5041	—	542
Extra Pharmacopœia	4731	4611	8086	7655	3355	—
Pharmaceutical Pocket Book	610	423	1056	591	446	—
Calendar	85	83	13	14	—	72
Register (included under Law)	—	—	—	—	—	—
History of Pharmacy	17	9	39	26	22	—
Penicillin	1605	—	3056	—	1451	—
Sundry Publications	521	488	568	519	47	—
	17137	15037	19794	14966	2657	—
NORTH BRITISH OFFICE	4982	4478	—	—	—	4982
HEADQUARTERS	29309	24725	61372	59604	32063	—
PREMISES	—	—	17525	17022	17525	—
PARLIAMENTARY	—	1307	860	760	860	—
MISCELLANEOUS						
Superannuation	5014	3758	—	—	—	5014
Pensions	2528	2736	—	—	—	2528
Subscriptions to other Bodies	738	1069	—	—	—	738
Sundries						
Interest on loan against mortgage, less interest received	2812	2901	4260	4629	1448	—
	11092	10464	4260	4629	—	6832
	139391	120933	149461	139517	10070	—
SPECIAL TRUST FUNDS	1054	681	1539	1198	485	—
GRAND TOTAL	140445	121614	151000	140715	10555	—

OVERSEAS TRADE NEWS

Japanese Camphor Production Estimate.—The official estimate of production of camphor in Japan during 1947 gives the total at 1,200 metric tons.

Greek Olive Oil Export Quota.—The Greek Government has decided to permit the export of 5,000 tons of olive oil between May and the end of November. The oil will be auctioned and profits will go entirely to growers. The last two crops have exceeded domestic consumption.

Newfoundland Cod-liver Oil Exports.—Exports of medicinal cod-liver oil from Newfoundland during 1946 amounted to 421,400 gallons, valued at about £250,000. The United States purchased 290,599 gall., Canada, 118,641 gall., and Britain, 4,950 gall.

Egypt Plans to Make DDT.—Steps are being taken to make DDT in Egypt, the Egyptian Ministry of Health announced recently. The Minister of Foreign Affairs is to ask the American authorities for expert advice and machinery to make this insecticide in Egypt.

Austrian Medicinal Supplies.—It is understood that provisional plans for the utilisation of the recent British loan to Austria include the allotment of £250,000 to the health services, of which £150,000 is for medical supplies and £100,000 for hospital equipment; a further £60,000 is for the purchase of pharmaceutical raw materials.

U.S. Carbon 13 Developments.—Carbon 13 is now being produced commercially in 50 per cent concentration by the Eastman Kodak Co., of America, compared with a maximum of 24 per cent, concentration in December, 1946, according to a statement at a recent meeting of the Rochester section of the American Chemical Society. Production of the higher concentration has been made possible by the addition of new fractionating equipment to the Eastman laboratories.

India Cuts Caustic Soda Supplies.—A 60 per cent. cut in the supplies of caustic soda to soap manufacturers has been effected by the Government of India. This step has been necessitated by the shortage of caustic soda which has been made more acute by the recent decline in imports from the United Kingdom and the failure of Governmental efforts to procure supplies from other European countries and America. Present supplies in the country

are stated to be less than half of normal requirements.

Sweden to Export Penicillin?—The first penicillin produced in Sweden has now reached the market. Present production, by the Kaern, A.B., only covers about 10 to 20 per cent. of the country's requirements (the daily output amounts to 100 million international units), but it is hoped that when a new factory, now under construction, has been completed in the autumn, production will exceed domestic requirements and allow of exports. The price for Swedish penicillin has been fixed at Kr.2.20 per bottle of 100,000 units and at Kr.4.00 for 200,000 units—the level at which U.S. penicillin is being sold on the Swedish market.

INDIAN MANUFACTURERS

THE seventh annual general meeting of the Pharmaceutical and Allied Manufacturers' & Distributors' Association, Ltd., was held in Bombay recently, Mr. G. W. Gosling (president) in the chair. The annual report, said Mr. GOSLING, had given them an estimate of the stock carried during the course of the year. The committee had been engaged on matters related to the Drugs Rules (see p. 644), and members had done their best to obtain clarification from the Government on many points. He referred to the recent conference of Importers with the Department of Health, Government of India, New Delhi, on various questions arising from the Drugs Rules, 1945, and the minutes of the proceedings prepared by the association's delegates. Since this meeting further letters had been addressed to the Department of Health for clarification of a number of points which had been brought to the attention of the committee. The President said that the financial position of the association was extremely sound, as was evident from the statement of accounts. The membership of the Association had been steadily increasing and this was a good augury for the future.

The following were elected as officers and members of the managing committee for the year 1947-48: President, Mr. Luis Corty; vice-president, Dr. T. A. Schinzel; secretary, Mr. F. W. Griffin, M.B.E., B.Sc., Ph.C.; treasurer, Mr. F. B. Lebell; members, Messrs. R. A. Haryott, M.P.S., N. McQueen, M.P.S., A. C. Munro, M.P.S., H. W. Fieth, W. E. Nenninger, W. S. Mitchell, M.P.S., and J. J. Yardley, Ph.C.

CORRESPONDENCE

Dispensers in Hospitals

SIR,—May I take this opportunity to say how much I agree with your correspondent Mr. B. A. Williams (*C. & D.*, May 24, p. 603), especially on the need for more publicity in this matter. I have on more than one occasion pointed out to the wardens of the Society of Apothecaries the glaring disparity in their treatment as public servants, without beneficial results or recognition.

Yours faithfully,

Willesden.

G. H. PALMER.

SIR,—There is one slight inaccuracy in the letter from Mr. B. A. Williams (*C. & D.*, May 24, p. 603). No representative of the Society of Apothecaries is a member of either the Joint Negotiating Committee or the Professional Staffs Committee. The salaries for Apothecaries' Hall dispensers were negotiated by an *ad hoc* subcommittee of the J.N.C., on which a representative of the Society of Apothecaries sat. We trust that Mr. B. A. Williams will accept this correction and rest assured that the Society of Apothecaries would be consulted should any further negotiations become necessary.

Yours faithfully,

EDWIN W. BARSTOW,

J. MOORE,

Joint Secretaries.

London, S.W.5.

Heads They Win...

SIR,—H.M. Government has successfully mulcted me in the sum of £1 7s. 4d. owing to a clerical oversight that resulted in my being forty-eight hours' late in sending a claim for rebate of spirit duty. The exciseman, however, allowed a month to elapse before calling to "check" the entries in my book. The Department of Health for Scotland is five months in arrears with payment for my National Health Insurance dispensing (the interest on the sum involved would be much more than the amount withheld by the Customs and Excise) but I have no redress.

Yours faithfully,

Anstruther.

R. S. WHITELAW.

Election Candidates' Thanks

SIR,—May I express my gratitude to the 5,294 members of the Society who supported me in the recent Council election. Working with my colleagues, it will be my endeavour to make pharmacy a desirable profession, attractive to all types of pharmacists, and with a worthy organisation.

Yours faithfully,

Hull.

E. A. BROCKLEHURST.

SIR,—I would like to express my sincere thanks to the members of the Pharmaceutical Society who gave me their support in the recent Council election. I trust I shall have the opportunity of proving myself a worthy member of Council.

Yours faithfully,

Nottingham.

M. A. BURR.

SIR,—I would like to take this opportunity of thanking the 4,198 members of the Society who gave me their votes at the recent Council election. It will be my endeavour to continue to merit the confidence so liberally extended to me.

Yours faithfully,

Normanton.

T. HESELTINE.

SIR,—I wish to thank my fellow members who deemed me worthy of their continued support in the recent election.

Yours faithfully,

R. MACDONALD MURRAY.

Linthorpe, Middlesbrough.

FIFTY YEARS AGO

Victorian Era Medical Progress

(From the *C. & D.*, June 5, 1897)

THE "Practitioner" for June is a special commemoration number of Queen Victoria's Diamond Jubilee. It contains an admirable survey of the progress of medical and surgical knowledge in the last sixty years, by the editor, Dr. Malcolm Morris, who modestly declares that the growth of human knowledge generally has been greater in these last six decades than in all the countless centuries before them. "Medicine in particular," says Dr. Morris, "has passed from the darkness of chaos and old night into the dawn of a quickly-brightening sunrise." We are inclined to think this latter assertion is justified by the evidence given, though the degree of the dawn so far reached may vary in different people's estimates. The stethoscope, as Dr. Morris reminds us, is a little more than sixty years old; but sixty years ago the thermometer, the laryngoscope, the ophthalmoscope, the sphygmograph were unknown; the microscope was but a toy; pathology could hardly be said to exist; and physiological chemistry was but a dream. Surgeons' instruments are as different today to those used in the 'thirties as are the operating-theatres of hospitals in their sanitary provisions; and, above all, there is the great discovery of anæsthesia.

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

28 Essex Street, W.C.2, June 4

PRODUCTION OF PHARMACEUTICAL and FINE CHEMICALS continues on a high scale; business has been somewhat quieter, however, during the past week. There have been no changes in the prices of these products. In PHOTOGRAPHIC CHEMICALS, increases are noted for HYDROQUINONE and METOL; quantities of 1 cwt. in bulk are quoted at 8s. 9d. and 16s. 6d. per lb. respectively.

Crude Drugs

Price movements in the CRUDE DRUGS markets have been few during the past week and business has been rather quiet, with buyers holding off in anticipation of a decline in prices. The distribution of the Japanese AGAR has been proceeding smoothly and there are now relatively few bales in the hands of primary holders. There has been a fair demand for Chinese CAMPHOR and a small business has been transacted in this product; prices are steady at previously quoted figures. American new-crop CASCARA SAGRADA is being offered for shipment at prices which give a duty paid value of 220s. to 225s. per cwt. CASCARILLA is fractionally easier but little business is being done. The disturbances in India are responsible for the fall in SHELLAC quotations. WAXES continue to be an easy market. It is understood that Brazil is not at present offering CARNAUBA WAX; resellers are quoting fatty at 575s. c.i.f. and the spot price is 675s. per cwt. A further allocation of import quotas is to be made for black or white PEPPER to firms at present eligible, and the Ministry of Food will be prepared to consider applications for import licences at prices approximating to current levels. In addition, applications for licences to import Indian pepper will be entertained from recognised importers who do not hold import quotas, but these must be supported by evidence that the Government of India has granted an export licence. Applications should be sent in duplicate on the Board of Trade form IL/D/A to the Canned Fruit & Vegetables Division, Ministry of Food, Portman Court, London, W.1.

Essential and Expressed Oils

Business in ESSENTIAL OILS continues on a routine scale and prices, with few exceptions, are steady. LEMONGRASS, which is again marked down, is now at 8s. 6d. per lb. on the spot. CITRONELLA is also a weak market but spot prices have not been further affected. English-distilled CORIANDER is still very scarce. The Essential Oils Control announce that a further seventeen oils have been removed from the scheme of distribution (see p. 657). The Advisory Committee of the Control gave notice on

June 2 that the fixed contribution (levy) was reduced from 5 per cent. to 2 per cent. on c.i.f. value on all oils allocated on and after May 21.

There have been no changes in the Ministry of Food prices of UNREFINED OILS, etc., allocated to primary wholesalers and large trade users in the period of four weeks ending June 28.

U.S. Drug and Chemical Report

New York, May 30

THE extreme tightness in supplies of ACETIC ACID is expected to be reflected in a number of ACETATES in the near future. Meanwhile, export demands are being put aside until the domestic supply position improves. Although the GLYCERIN supply position is considerably improved, a reduction in soap-kettle operations—of which there is a strong possibility later this year—will be reflected in the production of glycerin. It is reported, however, that efforts are to be made to extend export regulations on glycerin which expire on June 30. There is a strong export demand for SULPHATHIAZOLE while the domestic position remains exceedingly tight.

Trade in BOTANICAL DRUGS continues quiet with domestic consumers holding off in the hope of further price reductions; a fair export demand for domestic drugs is reported, however. Little labour is likely to be available for collecting roots, etc., this season because of current wage scales. Chinese offerings of MENTHOL are exceedingly limited and it now appears that U.S. consumers will have to depend mainly upon the small unsold quantities in Brazil which are being held for higher prices. It is now thought that the resumption of production of racemic menthol in the United States is likely to have little effect on the general position of the menthol market. Natural Brazilian menthol, U.S.P. grade, in containers, is currently quoted at \$8.50 to \$8.75 per lb. The first supplies of new crop Mexican VANILLA BEANS are now appearing on the market, but it is feared that high prices now being quoted in the primary centre will not be reduced at all during the rest of the year. Vegetable WAXES have again been reduced in price while there is some cheaper ORANGE and LEMON PEEL about on the market. Consumers are awaiting the first arrivals of new crop HYDRASTIS root.

There has been some forward buying of ESSENTIAL OILS on the part of scap manufacturers, but generally consumers are continuing to hold off in anticipation of further price reductions. Perfume manufacturers are conspicuously out of the market at the present time. Notable reductions during the past week were in BERGAMOT and BLACK PEPPER OILS.

Pharmaceutical Chemicals

AMPHETAMINE.—Steady. Prices for the BASE and SULPHATE are from 150s. to 170s. per lb., as to quantity.

ANETHOLE.—Ex Star anise oil is quoted at 20s. per lb.

ASCORBIC ACID.—Current quotations are from £23 10s. per kilo, upwards.

ASPIRIN.—Makers' prices per lb., in the home market, are as follows: 28 lb. and under 1 cwt., 4s. 4½d. (1-lb.), 4s. 3½d. (2-lb.), 4s. 3d. (4-lb.), 4s. 2d. (7-lb.), 4s. 1½d. (14-lb.), 4s. 0½d. (28-lb.). Net one month.

ATROPINE.—Home trade prices per oz. are as follows: ALKALOID, 42s. 6d.; 4 oz., 42s.; 25 oz., 41s. 6d. SULPHATE, 34s.; 4 oz., 33s. 6d.; 25 oz., 33s. METHYLBROMIDE and METHYLNITRATE, 75s.

BARBITONE.—Quotations are from 42s. 6d. to 45s. 6d. per lb., according to quantity. SOLUBLE is available at the same prices.

BENZALDEHYDE.—Prices of B.P.C. quality are from 4s. 9d. to 5s. 6d. per lb., as to quantity.

BENZOCAINE.—Current rates per lb. are 40s. 9d. for 28-lb. lots and 41s. 3d. for 14-lb. lots, other quantities in proportion.

BENZOIC ACID.—Makers' quotations are from 2s. 7d. to 3s. per lb., according to grade and quantity.

CALCIUM GLUCONATE.—Supplies are very short. Quotations are from 3s. 3d. per lb.

CABEROMAL.—Importers' quotations are from 32s. 6d. to 35s. per lb., as to quantity.

CHLORAL HYDRATE.—Current rates are as follows: 28 lb., 4s. 8d. per lb.; 14 lb., 5s.; 7 lb., 5s. 3d.; less than 7 lb., 5s. 9d. per lb.

CHLOROCRESOL.—In good demand. Quotations are from 4s. to 4s. 6d. per lb.

CHLOROFORM.—Current rates are as follows: 1-cwt. lots in Winchester quarts, 2s. 11d. per lb.; 56 lb. 2s. 11½d.

CINCHOPHEN.—Prices are from 35s. to 40s. per lb., according to quantity.

CITRATES.—Makers' prices are steady. POTASSIUM, in quantities of 28 lb.-1 cwt., is quoted per lb., as follows (containers in brackets): 3s. 8½d. (1-lb.); 3s. 7d. (4-lb.); 3s. 6d. (7-lb.); 3s. 5½d. (14-lb.); 3s. 4½d. (28-lb.). FERRI ET AMMON. CIT. B.P., 4d. per lb. above. SODIUM, B.P., 3d. per lb. below; POWDER, 1d. per lb. extra.

COBALT SALTS.—Makers' quote BROMIDE at 16s. per lb. and IODIDE at 45s. per lb.

CRESOTE.—B.P. quality, ex beechwood, is quoted from 7s. 6d. per lb. upwards.

CRESOL.—Controlled price of B.P. quality from distillers is 4s. 6d. per gall., ex sellers' premises.

DIGITOXIN.—Current quotations are in the region of 170s. per gm.

EMETINE.—Makers' prices per oz. are as follows: HYDROCHLORIDE, 1 oz., 207s.; 4 oz., 200s.; 16 oz., 197s. 6d.; 32 oz., 195s.

BISMUTH IODIDE, 1 oz., 103s. 6d.; 4 oz., 102s.; 16 oz., 100s. 6d.; 32 oz., 99s.

GUAIACOLS.—In fair supply. Liquid is quoted at 14s. 6d. to 16s. per lb.; crystal and carbonate, 14s. to 15s. per lb., according to quantity.

HEXAMINE.—B.P. is quoted at from 1s. 5d. to 1s. 9d. per lb., as to quantity.

HEXYL RESORCINOL.—Quotations are from 18s. to 20s. per oz. and upwards.

HOMATROPINE.—Makers' prices per oz. are as follows (prices per gm. in brackets): ALKALOID.—1 oz., 97s. 6d.; 4 oz., 92s. 6d.; 16 oz., 87s. 6d. (4s.). HYDROCHLORIDE, HYDROBROMIDE and SULPHATE.—1 oz., 75s.; 4 oz., 70s.; 16 oz., 65s. (3s. 2d.).

HYOSCINE HYDROBROMIDE.—Makers' quotations are from 147s. 6d. to 150s. per oz., according to quantity.

ICHTHAMMOL.—B.P. material is quoted in bulk at 4s. 3d. per lb., 28-lb. tins are priced at 4s. 9d., 14-lb., 5s. and 1-lb., 5s. 10d. per lb.

IODINE PREPARATIONS.—Current prices per lb., for the home trade, are as follows: POTASSIUM IODIDE, B.P.—1 cwt., 10s. 8d. SODIUM IODIDE, B.P.—28 lb., 11s. 8d. IODOFORM, B.P.—28 lb., powder, 15s. 1d. crystals, 17s. 1d. RESUBLIMED IODINE, B.P.—1 cwt., 12s. 5d. Orders of 28 lb. and upwards may be comprised of assorted preparations at schedule rates. Packages are extra. Contracts may be booked for 1 cwt. and over of assorted preparations for delivery as required within three months with rise and fall clauses. Special rebate of 4d. per lb. allowed on quantities of 5 cwt., in one delivery, or on contract for delivery within three months.

ISOPROPYL ALCOHOL.—B.P.C. quality is quoted at 13s. 9d. per gall.

LACTATES.—Makers' quotations per lb. are as follows: CALCIUM, 2s. 3d. to 2s. 9d.; CALCIUM SODIUM, 3s. 3d. to 3s. 9d.; LACTIC ACID, 3s. to 3s. 3d.

LACTOSE.—Quotations are from £120 per ton upwards, according to quantity.

LECITHIN.—Ex ovo, 85 per cent., is quoted at prices from 90s. per lb. upwards.

MAGNESIUM TRISILICATE.—Prices for the home market are from 3s. 6d. to 4s. per lb., according to quantity and pack.

MANDELIC ACID.—Current prices are as follows: 1 lb., 22s. per lb.; 4 lb., 20s. 3d.; 7 lb. 18s. 6d.; 14 lb., 16s. 9d.; 28 lb., 15s.

PHENOBAREBITONE.—Quotations for the acid and the SOLUBLE salt are from 35s. to 39s. per lb., as to quantity.

PHENOLPHTHALEIN.—Current rates per lb. are: 1 cwt., 5s. 4d.; 28 lb., 5s. 6d.; 14 lb., 5s. 9d.; 7 lb., 6s.

PIPERAZINE.—Current prices are from 4s. 6d. per oz., according to quantity.

PROCAINE HYDROCHLORIDE.—Current quotations are from 42s. 6d. to 45s. per lb.

Crude Drugs

AGAR.—Japanese strip in original packages is quoted at 18s. 8d. per lb. plus 28s. 6d. per bale of 100 lb.

ALOES.—Curacao is steady at 240s. per cwt., spot; forward price is quoted at 210s. c.i.f. Socotrine is quoted from 175s. to 190s. per cwt. for fair to good material; lower grades are offered at 150s. Cape, for shipment, quoted at 185s., c.i.f.

ANISE (STAR).—Spot quotations are steady at 150s. per cwt., duty paid; forward, 100s., c.i.f.

ARECA NUTS.—Quiet. Ceylon is steady at 65s. to 67s. 6d. per cwt., according to holder.

BALSAMS.—*Canada* is quoted at 15s. per lb., spot; *Para Copaiba* is quoted at from 8s. to 9s. per lb. *Peru* is at 7s. 6d. to 8s. per lb., duty paid. *Tolu* prices are from 18s. to 19s. per lb., spot.

BENZOIN.—Spot quotations for Sumatra are unchanged at from £17 10s. to £23 per cwt., according to quality.

BUCHU.—New-crop short rounds are quoted at 4s. 3d. per lb., spot; shipment, 4s., c.i.f.

CAMPHOR.—Steady. Chinese tablets ($\frac{3}{4}$ -oz.), quoted at 11s. 6d. per lb., spot; refined powder (B.P.), 11s.; Formosa crude (B.B.), 10s. 3d.; $\frac{2\frac{1}{2}}$ -lb. slabs, afloat, quoted at 10s. 6d. per lb., landed, duty paid.

CANTHARIDES.—Chinese is quoted 'on the spot' at 17s. 6d. per lb.

CAPSICUMS.—East African is steady at 120s. to 140s. per cwt., according to quality.

CARDAMOMS.—Quiet and steady. Mangalore, half-bleached, A's, are quoted at 8s. 9d. per lb.; B's, 8s. 3d. per lb.; seeds, 7s. 9d., spot. Aleppy seeds, No. 1, is at 8s. per lb.; Aleppy greens, 7s. per lb., spot.

CASCARA SAGRADA.—1946 peel is quoted at 275s. to 280s. per cwt., duty paid. American new-crop bark for shipment is quoted at prices from 220s. to 225s., duty paid.

CASCARILLA.—Quiet. Quills are quoted at 1s. 10 $\frac{1}{2}$ d. per lb.; siftings are available at 1s. 6d., spot.

CHILLIES.—Mombasa, quoted at 165s. per cwt., spot; Nigerian, 135s. to 140s.; Japanese-type, 190s. to 200s.

CLOVES.—Zanzibar are quoted at 9 $\frac{3}{4}$ d. to 10d. per lb., spot. Penang are offered at 3s. to 3s. 6d. per lb.

COCOA BUTTER.—Maximum controlled price is 2s. 11d. per lb., delivered.

COCHINEAL.—Silver greys quoted at 4s. 3d. to 4s. 6d. per lb., spot; blacks are quoted at 5s. 9d. per lb.

COLOCYNTH.—Fine-white is offered at 2s. 2d. and medium-white, 2s. per lb., spot.

DIGITALIS.—Portuguese is steady at 130s. per cwt., spot. English-grown, 2s. 6d. per lb.

ERGOT.—Spot quotations are from 5s. to 5s. 3d. per lb.; shipment, 4s. 9d., c.i.f.

EUPHORBIIUM.—Quoted at 80s. per cwt. on the spot.

GALBANUM.—A parcel is being offered at 8s. 6d. per lb., in bond.

GAMBAGE.—Siam pipe, scarce on the spot, is quoted at £65 per cwt.; shipment, £45 c.i.f.

GENTIAN.—French natural root is steady at 100s. per cwt.; cut, 130s., spot.

GINGER.—Jamaica No. 1 is quoted at 120s. to 125s. per cwt.; No. 2, 107s. 6d. to 110s.; No. 3, 100s. to 102s. 6d. Sierra Leone, spot, is quoted at 72s. 6d.; forward, 50s. to 52s. 6d., c.i.f. for June-July shipment.

GUAIACUM RESIN.—Lump material, now afloat, is quoted at 3s. per lb., landed.

GUM ACACIA.—Quotations for Kordofan cleaned sorts are at 75s. per cwt., spot; shipment, 67s. 6d., c.i.f. Bleached No. 1 is quoted at 145s., ex store. Talha is quoted at 41s. per cwt., spot; forward, 37s., c.i.f.

GUM MASTIC.—No. 1 is offered at 16s. per lb., duty paid.

HENBANE.—Indian leaf is quoted at 250s. per cwt., spot.

HENNA.—Indian leaves would be worth 1s. 5d. per lb., landed.

HYDRASTIS.—Spot quotations are at 60s. per lb.; forward, 55s., c.i.f.

IPECACUANHA.—Nicaraguan root is quoted from 29s. to 30s. per lb. for spot; shipment is at 25s. 6d., c.i.f.

IRISH MOSS.—French material, finest-quality bleached, is quoted at 120s. per cwt., spot; No. 1 is at 105s.; No. 2, 95s. per cwt.

JALAP.—Vera Cruz is offered at prices from 2s. 3d. to 5s. per lb., according to test.

JUNIPER.—Italian berries, quoted from 56s. to 65s. per cwt., according to quality.

KAMALA.—Material with a test of 6 per cent. ash is quoted at 3s. per lb., spot.

KARAYA.—No. 1 gum is quoted at 215s. to 220s. per cwt., spot; No. 2, 170s.

KOLA NUTS.—Steady. African quarters are quoted at 7 $\frac{3}{4}$ d. per lb.; African halves, 5d. to 6d., according to quality; Jamaican washed halves, 5 $\frac{1}{2}$ d. per lb.

LOBELIA.—Spot quotations are firmly held at 6s. per lb.

MENTHOL.—Brazil is quoted at 46s. to 48s. per lb., duty paid, according to holder; forward, 40s., c.i.f. Chinese is quoted at 53s., duty paid; forward, 48s. 6d., c.i.f.

MERCURY.—Spot quotations are at £17 3s. 6d. per flask, ex warehouse; shipment, £16 12s. 6d., c.i.f.

MYRRH.—Aden sorts is quoted at £14 to £15 10s. per cwt., according to quality; siftings, £8 to £10 per cwt.

NUX VOMICA.—Madras, steady at 40s. to 42s. 6d. per cwt. Mangalore, 40s.; Cochinchina, 42s. 6d. to 45s., spot, according to seller.

OLIBANUM.—Fair to good drop is quoted from 200s. to 240s. per cwt.; good garblings, 180s.; seeds, 175s.; siftings, 110s.

ORANGE PEEL.—Spanish quarters, steady at 1s. 6d. per lb., spot; sweet ribbon, 1s. 9d. per lb. Bitter ribbon is quoted at 1s. 3d. per lb., spot Liverpool.

ORRIS.—Steady. Florentine is quoted at 50s. to 160s. per cwt.

PIMENTO.—Spot quotations are steady at s. 1½d. per lb.

QUASSIA.—For shipment, June-July, quoted at 34s. per cwt., c.i.f.; September-October shipment is quoted at 32s., c.i.f.

RHUBARB.—Chinese, spot, is quoted at prices from 6s. 6d. to 8s. 6d. per lb. for fair to good fracture material; forward prices are from 6s. 6d. to 7s., c.i.f. French rhapontica is quoted at 2s. per lb., spot.

SEEDS.—During the past week there has been little business to report, with prices more or less unchanged. **ANISE.**—Cyprus, s. 3d. per lb., spot, London or Liverpool.

BARAWAY.—Dutch quoted at 1s. 3d. per lb., duty paid, for quantities of 1 ton and over; s. 4d. is requested for smaller lots. **CELERY.**

—Indian offered at 1s. 5d. per lb., ex wharf London or Liverpool. **CORIANDE.**—Spot, Morocco, offered at 50s. per cwt., duty paid, ex wharf London. Argentine is quoted at 50s. per cwt., duty paid, spot, Liverpool;

English, nominal, 75s. per cwt.; no Indian's offering on spot. **CUMIN.**—Spot, Morocco, 237s. 6d. per cwt., duty paid, spot, London;

Indian, 235s. per cwt., ex wharf Hull or Liverpool; Cyprus, 240s. per cwt., lying in London. **DILL.**—Indian now offered at 42s. 6d. per cwt., spot, London, and 40s. per cwt. in Liverpool. **FENNEL.**—Indian, 100s. to 110s. per cwt., ex wharf London or Liverpool. **FENUGREEK.**—Indian quoted at 47s. 6d. per cwt., spot, London, and 45s. per cwt., for parcels lying in Liverpool. Morocco

new-crop for June-July shipment, 48s. per cwt., c.i.f., quoted. Indian, for prompt shipment, offered at 35s., c.i.f.

SENEGA.—Old-crop material is quoted at 2s. 9d. to 13s. per lb., spot. No offers of new-crop are available at present.

SHELLAC.—The easier market continues. F.O.T.N., pure, is offered at 295s. per cwt., ex warehouse London; F.O. Standard No. 1 is quoted at 305s.; lemon, No. 1 is at 350s., and lemon, No. 2, 340s.; buttonlac is quoted at 355s. and seedlac at 310s.

WAXES.—Dar-es-Salaam BEES' is steady at 362s. 6d. to 365s. per cwt., spot; shipment, 340s., c.i.f. Lindi, spot, is quoted at 360s.; forward 345s., c.i.f. **CANDELILLA.**—Spot quoted at 440s. per cwt.; forward, 415s., c.i.f. **CARNAUBA.**—Brazil is not offering; resellers' fatty is quoted at 575s., c.i.f., and prime yellow, 750s., c.i.f. Fatty grey, spot, is quoted at 675s.; prime yellow, spot, 550s. Chalky grey, spot, is at 650s. and shipment is quoted at 560s., c.i.f. **MONTAN.**—Reibeck is easier at 390s., spot; Czechoslovak crude is offered at 335s., spot.

DURICURI.—2 per cent., spot, 500s. per cwt.; shipment, 425s., c.i.f. 9 per cent., spot, 435s. 5 per cent., shipment, is quoted at 375s., c.i.f.

Essential and Expressed Oils

BAY.—Spot quotations for West Indian are steady at 8s. to 9s. per lb., according to quantity.

CINNAMON LEAF.—Quotations are at from 12s. to 13s. 6d. per lb., according to quantity.

FENNEL.—Scarce. Sweet oil is quoted at 17s. 6d. to 20s. per lb., on the spot.

GERANIUM.—Bourbon, 75s. to 80s. per lb., according to quantity.

GUAIACWOOD.—Quoted at 18s. to 19s. per lb., spot, according to quantity.

LEMONGRASS.—Cochin is quoted at from 8s. 6d. to 10s. 6d. per lb., spot.

JUNIPER BERRY.—English-distilled, from European berries, is quoted at 130s. to 140s. per lb. Imported oil can be obtained at prices from 35s. to 40s. per lb.

LAVANDIN.—Spot quotations are from 15s. 6d. to 16s. 6d. per lb.

LAVERDER.—French (38 to 40 per cent. esters) is quoted at 50s. to 55s. per lb. Spanish (spike) is quoted at 12s. 6d. to 13s. 6d. per lb., spot.

LIME.—West-Indian distilled oil is quoted at 35s. per lb., spot.

NEROLI.—Spot quotations are from 90s. to 95s. per oz.

NUTMEG.—English-distilled oil is quoted at 65s. to 70s. per lb., spot.

ORIGANUM.—Quoted at 18s. 6d. to 19s. 6d. per lb., spot.

PALMAROSA.—Spot quotations are from 35s. to 42s. per lb., according to seller and quantity.

PATCHOULI.—Seychelles, spot quoted at 125s.; to come forward, 80s. per lb. Singapore, spot, 180s. to 190s.

PIMENTO BERRY.—English distilled oil is quoted at 51s. 6d. to 62s. 6d. per lb., according to quantity and seller.

ROSEMARY.—Spanish is quoted at 9s. 6d. to 11s. per lb., as to quantity.

SANDALWOOD.—English-distilled, in limited supply, is quoted at 85s. to 90s. per lb., according to quantity.

SASSAFRAS.—Brazil is quoted at 5s. 6d. to 6s. per lb., spot.

THYME.—Red oil (40-42 per cent. phenols) is at 16s. 6d. per lb.; white oil is quoted at 18s. to 20s. per lb., spot.

VETIVER.—Java is quoted at 135s. per lb., on the spot; Bourbon is at 180s.

Unrefined Vegetable Oils

Ministry of Food prices (per ton) of unrefined oils, allocated to primary wholesalers and large trade during the four weeks ending June 28, are unchanged, and are as follows: **COCONUT.**—£106. **PALM KERNEL.**—£105 10s. **COTTON SEED.**—Crude, £109; washed, £112. **GROUNDNUT.**—£110. **SESAME.**—£110. **PALM.**—£97 15s. (c.i.f.). The rates are for bulk supplies, naked ex works.

TRADE MARKS

(From "The Trade Marks Journal," May 14)

- "SIROCCO"; for perfumes, toilet preparations (not medicated), cosmetics and soap (3). By Parfums Lucien Lelong, 13 rue Alphonse-de-Neuville, Paris. 646,813.
- "STAR TOILET ROLL" and conventional device of a star; for medicated toilet paper (5). By Superior Papers, Ltd., Bridge Works, Iver Lane, Cowley, Middlesex. 644,598 (Associated).
- "ANTISTIN"; for pharmaceutical substances for human and veterinary use, medical and surgical plasters, material prepared for bandaging, and disinfectants (5). By Ciba, Ltd., 141-227 Klybeckstrasse, Basle, Switzerland. B645,497.
- "VITAL FORCE"; and facsimile signature "MALCOLM R. MACLENNAN" (words "Vital Force" disclaimed); for medicated preparations for human use (5). By Malcolm Roderick MacLennan, 9 Montrell Road, Streatham Hill, London, S.W.2. 646,475.
- "MAK SICCAR"; for insecticides, preparations for killing weeds and destroying vermin (5). By James MacNeill & Sloan, Ltd., 38 French Street, Glasgow, S.E. 647,036 (Associated).
- "DECOXIN"; for insecticides, fungicides and preparations for killing weeds (5). By Bayer Products, Ltd., Africa House, Kingsway, London, W.C.2. 647,485.
- "RADYNE"; for electrical apparatus and instruments and parts thereof, all included in this Class (9). By The Static Condenser Co., Ltd., also trading as "Radio Heaters," Toatley Works, Wokingham, Berks. 644,182 (Associated).

Device of a HAND holding a GLOBE; for electrical apparatus and appliances included in this Class (9). By Thorn Electrical Industries, Ltd., 105-9 Judd Street, London, W.C.1. 646,632 (Associated).

"FOPEX FRANCE" and triangular device; for optical instruments and precision instruments (9). By La Société Française de Photographie d'Optique et de Precision pour l'Exportation, 35 rue de Berri, Paris 8. 646,826.

"VELVEEN"; for paper handkerchiefs, toilet paper, etc. (not medicated) (16). By Harold Wesley, Ltd., Harlesden Stationery Mills, Acton Lane, London, N.W.10. 633,429.

"HOUSEMASTER"; for combs, sponges and steel wool, small domestic utensils and containers (not of precious metal or coated therewith) (21). By C. J. Fox & Sons, Ltd., 117 Victoria Street, London, S.W.1. B644,591 (Associated).

Design of trees with male and female human figures forming the trunks; for medicated preparations for human use (5). By Malcolm Roderick MacLennan, 9 Montrell Road, Streatham Hill, London, S.W.2. 646,474.

"LYONESSE SERPENTINE" (word "Serpentine" disclaimed); for powder bowls, soap dishes, dressing table sets, hair brush backs, shaving mugs, etc., all made of serpentine rock (21). By Lyonesse Industries, Ltd., 11 Lincoln's Inn Fields, London, W.C.2. 645,081 (Associated).

APPLICATIONS AMENDED AFTER ADVERTISEMENT

Specification No. 644,918 by David Hext should be altered so as to read "Sachets and preparations all for use in waving the hair."

Specification No. 642,502 by A. Ibbetson & Co., under the heading "Applications Amended After Advertisement" should have read "Liquid cleaning preparations not for use in manufactures."

(From "The Trade Marks Journal," May 21)

"GYPSY"; for face powder (not medicated) (3). By Helena Rubinstein, 48 Hay's Mews, London, W.1. 641,167.

"LAMMAS'S DEVON VIOLETS" in distinctive lettering; for violet perfume, and toilet, face and talcum powder containing violet perfume; "LAMMAS'S DEVON WOOLAND" in distinctive lettering; for perfumes, toilet, face and talcum powder (3). By A. G. Lammass & Son, The Violet Farm, Exeter Road, Dawlish, Devon. B641,546-47 (Associated).

"SNOW MAIDEN"; for toilet preparations (not medicated), cosmetics, soaps, perfumes and hair lotions; preparations and substances for laundry use; cleaning, polishing, scouring and abrasive preparations (3). By Osogood, Ltd., Fruit Exchange, Victoria Street, Liverpool, 2. 642,596 (Associated).

"VIBRANT"; for lipstick (3). By Coty (England), Ltd., 3 Stratford Place, London, W.1. 643,183.

"MI MAI"; for toilet preparations (not medicated), cosmetics, perfumes, perfumed soap, and preparations for the teeth and hair (3). By Guerlain, Ltd., Corner of Aintree Road and Frazer Road, Perivale, Middlesex. 643,392.

COMING EVENTS

Tuesday, June 10

BRITISH SCIENTIFIC INSTRUMENTS EXHIBITION, Charing Cross Underground Station, London. At 10.30 a.m., opening by the Rt. Hon. John Wilmot, M.P. (Minister of Supply).

Wednesday, June 11

WEST KENT BRANCH, PHARMACEUTICAL SOCIETY. Visit to Wellcome Physiological Research Laboratories. Meet at Park Langley Garage, Beckenham (126 bus route) at 2.15 p.m. Programme includes tour of works, tea and film show.

Thursday, June 12

HARROW BRANCH, PHARMACEUTICAL SOCIETY, Oak Hall, Baptist Church, College Road, Harrow, at 7.45 p.m. Annual meeting. Mr. H. M. Westwood (a New Zealand pharmacist) on "A Survey of Pharmaceutical Conditions in New Zealand."

INSTITUTE OF CHEMISTS-OPTICIANS. Friends' House, Euston Road, London, N.W.1, at 7.30 p.m. Mr. J. Ross Mansell, B.Sc., D.Opt., on "Solar Radiation."

Sunday, June 15

MERSEYSIDE BRANCH, NATIONAL ASSOCIATION OF WOMEN PHARMACISTS. Visit to Birdsgrove House, leaving Woodside at 9.45 a.m.

BERKINGHEAD AND WIRRAL PHARMACISTS' ASSOCIATION is holding an outing to Kimmel Hall on Thursday, June 19. Applications for coach seats (inclusive cost per person £1 2s. 6d.) should be sent to Mr. J. W. Waterworth, 224 Bebbington Road, Rock Ferry, Birkenhead.

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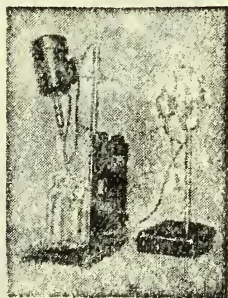
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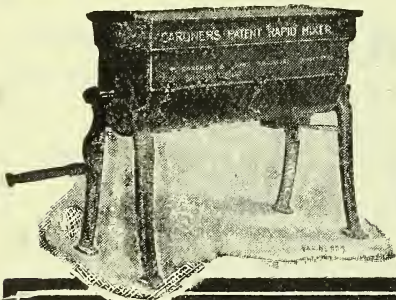
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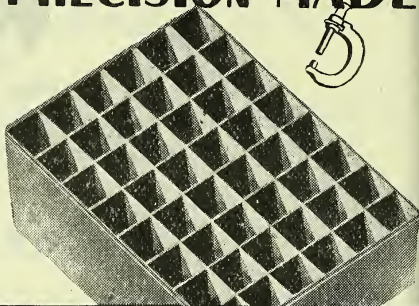


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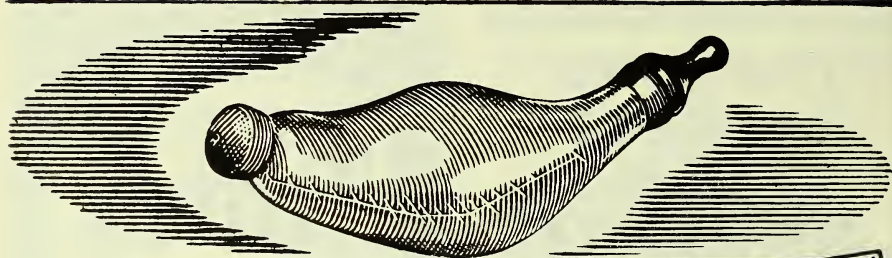
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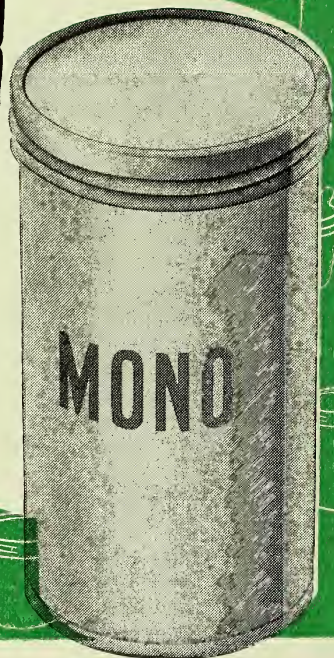
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With high organically combined
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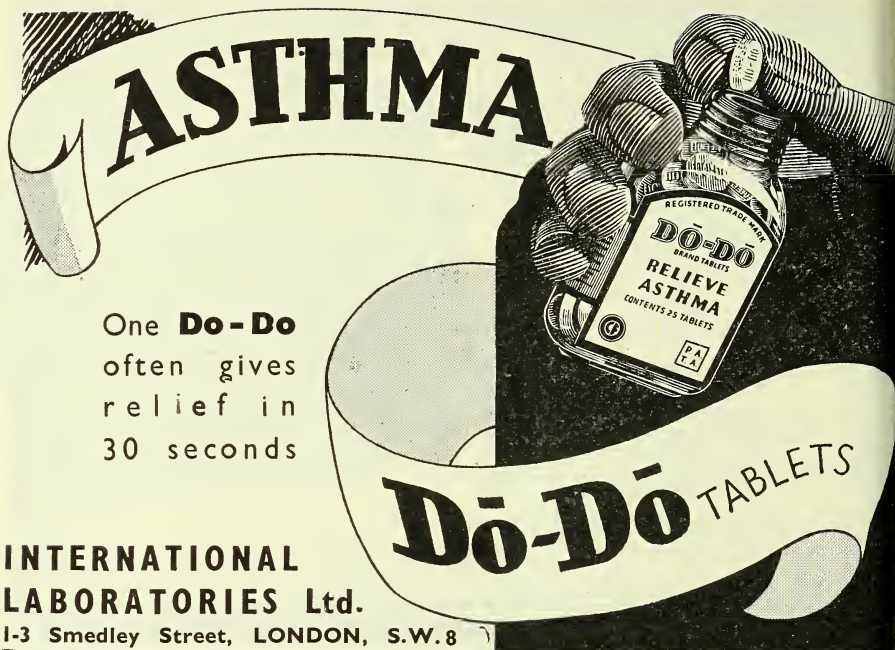
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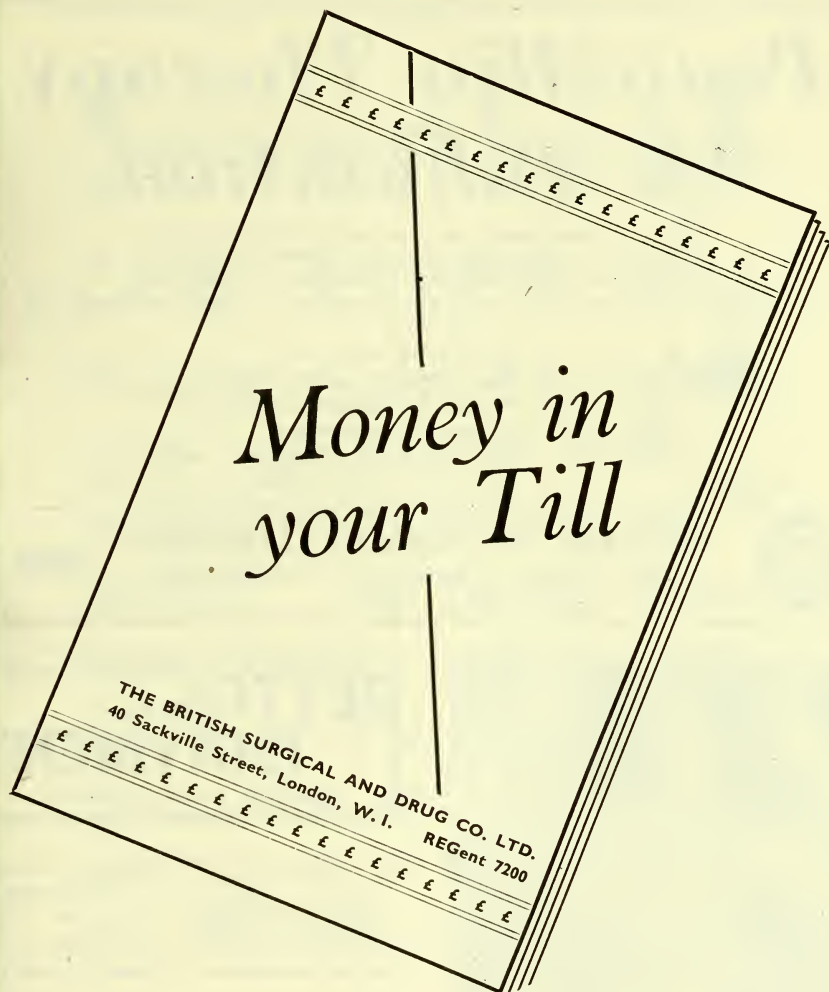
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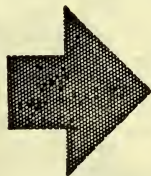


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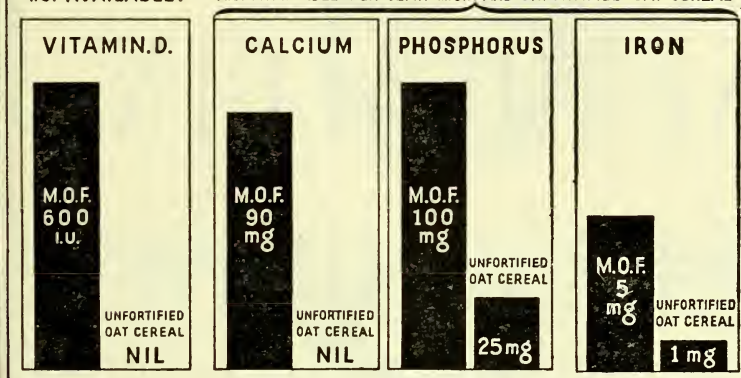


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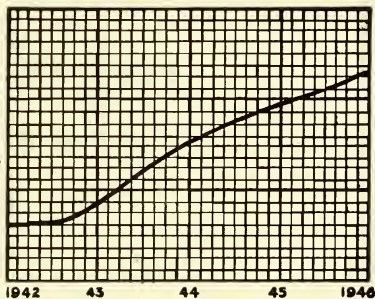
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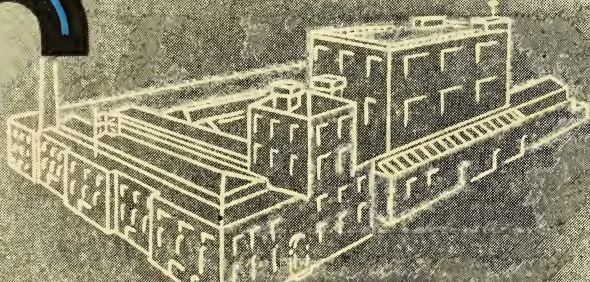


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